METEOROLOGICAL OFFICE.

DAILY WEATHER REPORTS.

1ST JULY TO 31ST DECEMBER, 1903.

DAILY WEATHER REPORT.

July to December 1903.

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SUPPLEMENT TO THE DAILY WEATHER REPORT.

VALUES FOR PRESSURE, TEMPERATURE, RAINFALL, AND BRIGHT SUNSHINE

IN THE SIX MONTHS, JULY TO DECEMBER.

	STATIONS.	PRESSURE AT 8 A.M. Means, 1871-1900.	TEMPERATURE OF AIR. 1871-1900. Means of: Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum.	Daily Minimum.	Absolute Extremes: Maximum.	Date.	Minimum.	Date.	RAINFALL. Means for 1871-1900: Days with Rain.	1866-1900: Total Fall.	BRIGHT SUNSHINE. Means, 1881-1900: Average Duration.	Per cent. of possible.
		(Inches.)	°	°	°	°	°		°			(Inches.)	(Hours.)	
JULY.	Sumburgh Head	29·806	53·4	51·7	57·6	48·3	70	1897	37	1888	17	2·33	—	—
	Stornoway	29·822	55·5	53·7	60·3	49·1	76	1894	32	1888	21	2·97	140·8	26
	Malin Head	29·873	56·1	54·0	61·0	53·6	[75]*	[1887]	[42]*	[1888]	[19]*	[2·87]*	—	—
	Blacksod Point	29·914	57·8	55·2	62·4	53·8	[80]*	[1894]	[42]*	[1898]	[21]*	[2·94]*	—	—
	Valencia	29·960	59·2	56·6	64·0	53·8	80	1878	42	1898	20	3·95	154·4	31
	Roche's Point	29·957	59·0	56·1	65·8	53·7	84	1876	45	1888	15	3·00	—	—
	Parsonstown	29·937	58·1	55·0	66·4	51·7	89	1876	37	1889	17	2·95	139·2	28
	Donaghadee	29·904	57·4	55·5	63·5	52·1	81	1876	40	1883	18	2·83	—	—
	Liverpool	29·927	59·5	55·6	66·0	54·3	89	1873	44	1877	16	2·77	—	—
	Holyhead	29·932	58·3	56·0	63·8	54·1	83	1894	43	1888	16	2·46	—	—
	Pembroke	29·956	58·2	56·2	62·7	54·9	80	1878	45	1888	14	2·42	205·3	42
	Scilly	29·987	60·5	58·3	64·9	56·5	75	1886	48	1875	16	2·29	—	—
	Jersey	30·015	62·5	59·1	68·6	56·5	90	1873	46	1877, 97	13	2·30	244·2	51
	Portland Bill ‡	[30·071]	[61·7]	[59·3]	[67·0]	[55·4]	—	—	—	—	[6]	[0·94]	—	—
	Dungeness	29·965	61·9	58·6	67·0	56·1	82	1900	40	1890	12	1·62	—	—
	Wick	29·835	56·0	53·7	61·8	48·9	81	1876	30	1886	18	2·54	—	—
	Nairn	29·838	56·9	53·7	64·5	50·3	86	1876	37	1886, 97, 98	17	2·68	—	—
	Aberdeen	29·852	57·6	53·8	63·7	50·7	86	1876	38	1898	18	2·82	165·9	32
	Leith	29·867	58·6	55·0	66·6	51·4	90	1876	41	1887, 88, 92	16	2·76	—	—
	North Shields	29·887	58·2	55·1	64·3	51·9	85	1876	40	1885	15	2·55	—	—
	Spurn Head	29·914	59·6	56·9	65·1	55·0	[84]*	[1881, 1900]	[44]*	[1888]	13	1·70	—	—
	Yarmouth	29·938	60·8	57·6	66·3	54·9	87	1881	42	1872, 90	15	2·69	—	—
	Loughborough	29·947	60·9	57·2	71·4	52·6	[90]*	[1881]	[39]*	[1888]	15	2·24	—	—
	Oxford	29·963	60·2	56·6	70·1	53·5	90	1876, 1900	41	1888	14	2·49	200·7	41
	LONDON	29·971	62·2	57·7	72·7	54·2	95	1881	41	1877	13	2·27	174·7†	36†
AUGUST.	Sumburgh Head	29·782	53·5	51·9	57·7	48·5	69	1880	38	1885, 95	18	3·25	—	—
	Stornoway	29·794	55·1	53·5	60·2	49·1	75	1897, 99	33	1888	21	3·66	131·3	28
	Malin Head	29·839	56·4	54·3	61·8	54·1	[80]*	[1900]	[43]*	[1891]	[21]*	[3·25]*	—	—
	Blacksod Point	29·878	58·1	55·5	62·7	54·1	[78]*	[1899]	[42]*	[1887-88]	[22]*	[4·98]*	—	—
	Valencia	29·929	59·6	57·1	64·7	54·3	81	1899	42	1890	22	4·96	152·7	34
	Roche's Point	29·932	59·1	56·6	65·7	54·2	80	1880	44	1883	16	3·94	—	—
	Parsonstown	29·917	57·4	55·2	65·9	51·6	82	1893, 99, 1900	35	1885, 87	18	3·87	139·5	31
	Donaghadee	29·881	57·1	55·5	62·8	52·5	78	1899	38	1886	19	3·30	—	—
	Liverpool	29·908	58·8	55·3	65·8	54·3	85	1876, 84, 93, 99	44	1885	17	2·96	—	—
	Holyhead	29·909	58·6	56·5	64·0	54·8	83	1893	45	1888	16	3·02	—	—
	Pembroke	29·932	58·9	56·8	63·3	55·8	78	1874, 99	47	1885, 88	16	2·91	193·8	43
	Scilly	29·962	61·2	59·0	65·3	57·1	75	1893, 99	50	1885, 90, 95	17	2·49	—	—
	Jersey	29·995	63·2	59·8	69·1	57·4	89	1893	45	1890	14	2·48	244·8	56
	Portland Bill ‡	[30·042]	[62·2]	[60·0]	[68·5]	[55·7]	—	—	—	—	[11]	[1·57]	—	—
	Dungeness	29·953	62·1	58·9	67·5	56·6	80	1887, 94	39	1890	13	1·81	—	—
	Wick	29·814	55·5	53·5	61·4	48·6	85	1893	30	1886	18	2·61	—	—
	Nairn	29·817	56·0	53·2	63·9	49·9	86	1899	33	1885, 91	18	2·68	—	—
	Aberdeen	29·835	56·7	53·5	63·1	50·2	81	1880, 82, 99	33	1885	18	3·03	153·3	33
	Leith	29·848	57·7	54·6	66·0	51·4	85	1893	37	1874	16	2·72	—	—
	North Shields	29·871	57·3	54·7	64·0	51·8	83	1893	39	1892	16	2·83	—	—
	Spurn Head	29·904	59·1	56·8	64·7	55·0	[87]*	[1893]	[46]*	[1887, 90, 1900]	15	1·87	—	—
	Yarmouth	29·929	60·6	57·6	66·3	54·8	85	1893	42	1876, 85	14	2·26	—	—
	Loughborough	29·935	59·1	56·2	70·4	52·0	[91]*	[1893]	[38]*	[1885, 87, 88]	14	2·46	—	—
	Oxford	29·954	58·9	56·0	69·4	53·0	90	1876	39	1892	13	2·38	185·7	42
	LONDON	29·961	61·0	57·4	71·9	53·7	96	1876	39	1887, 90	13	2·30	165·9†	37†
SEPTEMBER.	Sumburgh Head	29·783	50·8	49·1	54·9	46·2	69	1898	34	1887, 88	20	3·48	—	—
	Stornoway	29·806	51·5	50·2	56·7	45·7	72	1898	32	1871, 75, 85	21	4·17	107·4	28
	Malin Head	29·864	53·7	51·4	58·5	51·1	[78]*	[1898]	[38]*	[1886]	[19]*	[3·11]*	—	—
	Blacksod Point	29·905	55·3	52·9	59·8	51·6	[78]*	[1898]	[39]*	[1899]	[21]*	[3·99]*	—	—
	Valencia	29·963	56·6	54·2	61·9	51·4	79	1898	35	1899	19	4·34	133·1	36
	Roche's Point	29·966	55·8	53·7	61·9	51·3	74	1880	39	1893	14	3·62	—	—
	Parsonstown	29·947	52·9	51·0	61·9	47·3	79	1880, 98	29	1899	17	2·92	129·2	35
	Donaghadee	29·913	53·7	52·4	60·1	49·3	74	1898	36	1882, 94, 99	17	2·80	—	—
	Liverpool	29·944	54·8	52·1	61·5	50·9	82	1880	39	1885	16	3·12	—	—
	Holyhead	29·939	55·9	53·7	60·8	52·3	78	1880	43	1873, 85, 97	16	3·04	—	—
	Pembroke	29·962	56·4	54·2	60·4	53·2	74	1895	40	1885	16	3·24	148·3	40
	Scilly	29·983	58·8	56·6	62·4	54·9	73	1899	44	1885, 88	17	3·15	—	—
	Jersey	30·008	60·4	57·2	66·0	55·0	86	1895	41	1891	15	3·04	184·9	50
	Portland Bill ‡	[30·038]	[59·0]	[57·0]	[64·7]	[54·0]	—	—	—	—	[9]	[1·55]	—	—
	Dungeness	29·981	58·0	55·5	64·0	53·0	78	1898, 99	32	1885	14	2·53	—	—
	Wick	29·822	52·1	50·3	58·0	45·7	78	1898	29	1885, 87	19	2·70	—	—
	Nairn	29·835	51·6	49·4	59·7	45·9	83	1898	25	1892	17	2·54	—	—
	Aberdeen	29·856	52·5	49·9	59·4	46·6	81	1898	30	1887	17	2·87	124·0	33
	Leith	29·880	53·5	50·9	62·1	47·5	83	1898	33	1886	15	2·19	—	—
	North Shields	29·905	53·2	51·1	60·4	48·3	81	1898	34	1885, 89, 93	14	2·20	—	—
	Spurn Head	29·941	55·7	53·8	60·9	52·4	[79]*	[1899]	[38]*	[1892]	14	1·80	—	—
	Yarmouth	29·956	56·5	54·3	62·4	51·3	78	1880, 98	33	1885	15	2·57	—	—
	Loughborough	29·970	53·5	51·7	65·5	47·5	[90]*	[1898]	[29]*	[1898]	14	2·44	—	—
	Oxford	29·985	54·0	52·1	64·6	48·8	90	1898	33	1885	13	2·39	144·2	39
	LONDON	29·991	55·8	53·4	66·8	49·7	91	1898	30	1877	13	2·21	116·0†	31†

* These values are from observations made during the following periods:—Spurn Head and Loughborough, 20 years, 1881-1900; Malin Head and Blacksod Point (Belmullet), 15 years, 1886-1900.
† The Sunshine values are for Westminster. ‡ The values for Portland Bill are for two years only, 1899-1900.

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VALUES FOR PRESSURE, TEMPERATURE, RAINFALL, AND BRIGHT SUNSHINE

(CONTINUED).

	STATIONS.	PRESSURE AT 8 A.M. Means, 1871-1900.	TEMPERATURE OF AIR. 1871-1900. Means of: Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum.	Daily Minimum.	Absolute Extremes: Maximum.	Date.	Minimum.	Date.	RAINFALL. Means for 1871-1900: Days with Rain.	1866-1900: Total Fall.	BRIGHT SUNSHINE. Means, 1881-1900. Average Duration.	Per cent. of possible.
		(Inches.)	°	°	°	°	°		°			(Inches.)	(Hours.)	
OCTOBER.	Sumburgh Head	29·721	45·9	44·3	49·8	41·6	61	1898	26	1875	24	4·43	—	—
	Stornoway	29·752	45·4	44·4	51·1	40·3	70	1898	26	1886	24	5·31	87·0	28
	Malin Head	29·803	48·4	46·3	52·6	45·6	[69]*	[1898]	[32]*	[1892]	[21]*	[2·99]*	—	—
	Blacksod Point	29·851	49·5	46·6	54·1	45·9	[70]*	[1898]	[33]*	[1892]	[23]*	[5·20]*	—	—
	Valencia	29·885	51·0	48·9	56·4	46·3	69	1898	28	1892	22	5·61	104·4	32
	Roche's Point	29·886	50·1	48·3	55·8	46·0	65	1880, 84, 86	32	1881	16	4·21	—	—
	Parsonstown	29·883	45·5	44·0	54·7	40·5	69	1898	22	1880	18	3·06	99·9	31
	Donaghadee	29·843	47·8	46·5	53·7	43·5	66	1898	31	1892	18	3·14	—	—
	Liverpool	29·872	47·7	45·6	53·8	44·5	72	1886	27	1895	18	3·52	—	—
	Holyhead	29·863	50·2	48·1	54·7	46·9	71	1886	32	1892	20	4·33	—	—
	Pembroke	29·880	51·2	49·2	54·9	47·9	66	1872, 1886	33	1895	20	4·14	104·9	32
	Scilly	29·897	53·8	51·7	56·9	50·1	69	1895	38	1895, 96	21	3·73	—	—
	Jersey	29·920	53·7	50·9	58·6	48·9	73	1876, 1898, 1900	33	1887	19	4·47	130·0	40
	Portland Bill‡	[30·029]	[53·4]	[51·3]	[58·5]	[49·2]	—	—	—	—	[12]	[1·72]	—	—
	Dungeness	29·908	50·4	48·6	56·6	46·2	70	1886	23	1890	16	3·23	—	—
	Wick	29·755	46·2	44·6	51·8	40·4	73	1898	22	1885	21	3·11	—	—
	Nairn	29·773	44·6	42·8	52·2	39·8	72	1898	19	1896	18	2·43	—	—
	Aberdeen	29·791	45·7	43·6	52·5	41·2	74	1883	25	1880	20	3·00	98·9	31
	Leith	29·814	46·4	44·6	54·6	41·5	70	1898	25	1894	16	2·09	—	—
	North Shields	29·836	46·9	45·2	53·4	42·2	69	1898	27	1890, 92, 95	17	2·75	—	—
	Spurn Head	29·857	48·9	47·4	53·6	45·6	[70]*	[1900]	[33]*	[1887, 95]	16	2·34	—	—
	Yarmouth	29·884	49·2	47·6	54·4	44·6	74	1900	27	1895	18	2·98	—	—
	Loughborough	29·897	45·4	44·2	55·8	40·8	[77]*	[1886]	[20]*	[1890]	17	2·76	—	—
	Oxford	29·916	46·1	44·8	55·6	42·1	76	1886	22	1873	15	2·76	102·7	32
	LONDON	29·918	47·6	46·0	56·8	42·9	80	1880	24	1890	16	2·70	70·6†	22†
NOVEMBER.	Sumburgh Head	29·710	42·6	41·0	46·1	38·5	55	1890	21	1875	24	4·12	—	—
	Stornoway	29·720	42·5	41·5	46·8	37·4	58	1897	20	1880	23	5·28	40·6	18
	Malin Head	29·773	44·3	42·5	48·3	41·2	[59]*	[1894, 99]	[31]*	[1889]	[20]*	[3·08]*	—	—
	Blacksod Point	29·819	45·7	43·7	49·7	41·7	[66]*	[1897, 99]	[26]*	[1890]	[24]*	[5·22]*	—	—
	Valencia	29·883	47·6	45·6	52·4	43·0	63	1881	27	1890, 96	22	5·67	65·8	26
	Roche's Point	29·888	46·5	45·0	51·4	42·3	61	1875	27	1890	19	4·65	—	—
	Parsonstown	29·869	42·0	40·6	49·4	37·2	63	1872	20	1890	19	2·97	63·8	25
	Donaghadee	29·838	43·9	42·7	48·8	39·7	60	1894	27	1878, 83	19	3·12	—	—
	Liverpool	29·883	43·0	41·2	48·3	40·0	63	1872	22	1880	17	2·71	—	—
	Holyhead	29·865	46·2	44·4	50·0	43·0	62	1881	29	1880	20	3·96	—	—
	Pembroke	29·890	47·4	45·7	50·6	43·9	58	1884, 95, 97, 99	28	1890	20	3·94	60·9	24
	Scilly	29·911	50·3	48·5	53·0	46·6	61	1898	29	1890	21	3·65	—	—
	Jersey	29·953	48·2	46·1	52·6	44·4	66	1899	16	1890	19	4·07	73·5	27
	Portland Bill‡	[29·989]	[49·9]	[47·7]	[53·3]	[45·3]	—	—	—	—	[14]	[3·65]	—	—
	Dungeness	29·923	45·0	43·6	50·1	41·1	63	1899	17	1890	17	2·57	—	—
	Wick	29·743	42·0	40·6	46·7	36·8	62	1900	15	1884	20	2·89	—	—
	Nairn	29·761	40·5	38·9	46·3	35·6	61	1885, 94	18	1880, 98	17	2·13	—	—
	Aberdeen	29·792	41·1	39·3	46·6	37·1	62	1872, 89	15	1880, 84	20	3·06	52·7	22
	Leith	29·817	42·3	40·5	48·5	37·5	64	1872	18	1885	18	2·07	—	—
	North Shields	29·844	42·8	41·2	48·0	38·4	62	1881, 94	20	1880	17	2·33	—	—
	Spurn Head	29·874	43·8	42·5	47·5	40·7	[61]*	[1894, 95]	[28]*	[1884]	17	2·19	—	—
	Yarmouth	29·898	43·7	42·5	48·0	39·5	60	1895, 98, 99	23	1890	19	2·78	—	—
	Loughborough	29·910	40·9	39·7	48·6	37·0	[64]*	[1900]	[19]*	[1887, 93]	17	2·14	—	—
	Oxford	29·928	41·6	40·4	48·8	37·9	68	1881	19	1871, 87	15	2·30	56·4	22
	LONDON	29·931	42·8	41·3	49·8	38·5	65	1894	19	1879	16	2·29	27·7†	11†
DECEMBER.	Sumburgh Head	29·647	40·1	38·6	43·2	35·9	53	1890	19	1877	26	4·46	—	—
	Stornoway	29·671	40·0	39·0	43·7	34·6	55	1898	15	1880	26	5·68	23·9	12
	Malin Head	29·748	41·6	40·1	45·4	38·3	[55]*	[1900]	[31]*	[1880, 87, 91, 92, 94, 96, 99]	[24]*	[3·36]*	—	—
	Blacksod Point	29·803	43·2	41·3	47·2	39·2	[59]*	[1899]	[26]*	[1896]	[27]*	[6·12]*	—	—
	Valencia	29·880	45·4	43·2	50·1	40·6	57	1884, 88, 99, 1900	24	1886	25	6·34	42·6	18
	Roche's Point	29·894	44·0	42·6	48·5	39·9	58	1873	25	1882	20	5·47	—	—
	Parsonstown	29·872	38·8	37·6	45·5	34·0	58	1877, 1900	8	1878	20	3·17	44·7	20
	Donaghadee	29·823	40·9	40·0	46·1	36·6	56	1885, 88, 94	20	1879	21	2·96	—	—
	Liverpool	29·881	39·4	37·7	44·2	36·1	59	1891, 98, 1900	13	1878	18	2·54	—	—
	Holyhead	29·864	43·2	41·6	46·8	39·5	56	1872, 88	25	1874	20	3·94	—	—
	Pembroke	29·963	44·4	43·0	47·4	40·9	57	1898	19	1890	21	4·17	44·0	19
	Scilly	29·936	47·7	45·8	50·3	43·8	58	1899, 1900	30	1890	22	4·19	—	—
	Jersey	29·992	44·0	42·2	48·1	40·1	61	1876	19	1871	20	3·88	62·3	25
	Portland Bill‡	[29·911]	[45·2]	[43·9]	[48·9]	[39·8]	—	—	—	—	[21]	[3·50]	—	—
	Dungeness	29·952	40·6	39·5	45·2	36·3	56	1880, 97, 98, 1900	12	1890	17	2·11	—	—
	Wick	29·684	38·7	37·5	42·9	33·4	56	[1898]	10	1880	22	3·18	—	—
	Nairn	29·713	37·5	36·0	42·6	32·4	58	1900	10	1882	18	2·16	—	—
	Aberdeen	29·747	37·5	35·8	42·4	33·3	58	1873	6	1882	20	3·23	38·2	19
	Leith	29·782	39·1	37·6	44·5	34·1	60	1896	6	1882	15	1·95	—	—
	North Shields	29·825	38·9	37·5	43·0	34·3	59	1873, 98	10	1878, 79	16	2·34	—	—
	Spurn Head	29·864	39·4	38·2	43·1	35·8	[56]*	[1898]	[19]*	[1891]	17	2·07	—	—
	Yarmouth	29·911	38·6	37·5	42·7	34·2	56	1873	15	1879	17	2·47	—	—
	Loughborough	29·914	36·9	35·9	43·5	32·8	[59]*	[1888, 1900]	[7]*	[1890]	15	2·35	—	—
	Oxford	29·950	37·6	36·5	43·7	34·0	58	1888, 97	6	1878	16	2·16	41·6	18
	LONDON	29·953	38·5	37·3	44·7	34·4	58	1873, 88, 91, 98	11	1878	15	2·15	13·1†	5†

* These values are from observations made during the following periods:—Spurn Head and Loughborough, 20 years, 1881-1900; Malin Head and Blacksod Point (Belmullet), 15 years, 1886-1900.

† The Sunshine values are for Westminster.

‡ The values for Portland Bill are for two years only, 1899-1900.

DAILY WEATHER REPORT

for 8 a.m. on Wednesday, 1st JULY, 1903.

Issued by the METEOROLOGICAL OFFICE, 63, Victoria Street, London. W. N. SHAW, *Secretary.*

	STATIONS.	YESTERDAY EVENING. (See note on last page.) Barom. At 32° and M.S.L. Ins.	Temp. Dry Bulb. °	Wind. Direc.	Wind. Force (0 to 12.)	Weather	THIS MORNING. (See note on last page.) Barometer. At 32° Fahr. and M.S.L. Ins.	Barometer. Change since Yesterday. Ins.	Temperature. Dry Bulb. °	Temperature. Wet Bulb. °	Temperature. Change since Yesterday. °	Wind. Direc.	Wind. Force (0 to 12.)	Weather.	Sea (0 to 9.)	PAST 24 HOURS. Temp. Max. °	Temp. Min. °	Weather	Sunshine. Hours.	Rainfall. Ins.
SCANDINAVIA.	Haparanda ...	29.65	53	SW	2	o	29.67	-.09	54	50	-3	NW	4	o	*	61	48	—	*	0.04
	Hernösand ...	29.87	57	W	6	b	29.76	-.05	59	51	-3	NW	4	b	*	70	54	—	*	—
	Stockholm ...	29.95	64	W	2	c	30.00	+.03	62	54	-6	N	2	b	*	75	57	—	*	—
	Wisby	30.02	60	Z	0	b	30.01	-.04	57	54	-5	Z	0	b	*	73	54	—	*	—
	Karlstad	29.96	63	SW	2	r	30.07	+.09	59	52	-1	NNE	2	b	*	*	*	—	*	—
	Færder (X'iania Fjord)	29.99	64	WNW	5	b	30.08	+.10	61	55	0	WSW	1	c	2	66	57	—	*	—
	Bodö	29.80	48	SW	4	r	29.92	+.08	48	45	0	NW	2	c	2	50	46	—	*	0.20
	Christiansund ...	30.03	50	W	6	r	30.03	+.12	53	50	+3	W	2	c	2	54	48	—	*	0.20
	Skudesnaes ...	30.19	54	W	2	o	30.08	-.01	53	52	-1	SSE	4	r	3	55	52	m,o	*	*
BRITISH ISLANDS.	Sumburgh Head	30.03	53	S	3	c	29.83	-.20	51	51	-2	SW	3	r	4	57	49	c	*	0.48
	Stornoway ...	29.96	55	SW	4	r	29.85	-.21	57	55	+2	WSW	5	r	5	57	49	r	0.8	0.58
	Malin Head ...	30.10	58	W	6	ofm	30.04	-.06	59	55	+4	SW	5	of	4	59	55	c,ofm	*	0.04
	Blacksod Pt. ...	30.11	60	SSW	5	omf	30.08	-.09	61	58	+3	SW	7	cgm	6	62	57	cm,omf	*	0.01
	Valencia	30.26	61	SSW	4	c	30.22	-.06	59	56	+1	S	3	o	4	64	56	c	4.0	0.01
	Roche's Point ...	30.21	60	WSW	3	c	30.27	-.06	59	57	0	SW	3	o	2	63	56	c	*	—
	Parsonstown ...	30.24	63	W	2	c	30.21	-.06	61	57	+2	W	2	bc	*	65	53	—	0.3	—
	Donaghadee ...	30.21	59	S	1	of	30.18	-.03	61	58	+5	SW	2	c	2	64	53	of	*	0.07
	Liverpool Obsy.	30.30	60	WSW	3	c	30.28	-.02	59	55	-1	WNW	3	c	2	67	54	—	*	—
	Holyhead ...	30.28	57	SW	3	cm	30.27	-.02	56	54	0	SW	4	cm	3	61	53	cm	*	—
	Pembroke (St. Ann's)	30.36	56	SSW	4	bc	30.30	-.08	56	54	0	SW	3	og	2	59	54	bc,og	6.9	—
	Scilly (St. Mary's)...	30.37	62	SW	2	bc	30.29	-.07	58	56	-1	SSE	2	bcw	1	64	56	bc	14.0	—
	Jersey (St. Aubins)...	30.40	62	WNW	4	bcm	30.37	-.04	61	57	+3	E	3	bcm	3	67	48	bcm	14.3	—
	Portland Bill ...	30.36	62	W	1	b	30.34	-.05	60	58	+4	SE	2	bc	2	64	53	b	*	—
	Dungeness ...	30.34	62	SSW	1	c	30.35	+.04	63	59	-2	WSW	1	b	0	?68	52	bc,c,f	10.4	—
	Wick	30.02	58	SW	2	r	29.90	-.19	56	55	0	SW	1	o	1	62	50	br	*	0.38
	Nairn	30.03	56	W	1	r	29.95	-.16	60	56	+3	WSW	4	c	2	62	54	—	*	0.15
	Aberdeen ...	30.10	56	S	3	ofm	29.99	-.16	60	56	0	SW	4	og	2	65	54	ofm	4.0	0.22
	Leith	30.14	63	SW	3	o	30.08	-.12	62	58	+3	SW	4	c	*	67	57	of	*	0.01
	North Shields ...	30.22	61	SSW	2	r	30.16	-.08	62	56	0	SW	2	o	2	67	55	c,r	*	0.04
	Spurn Head ...	30.29	65	WNW	3	c	30.25	-.05	60	58	0	WSW	3	bc	2	68	57	—	*	—
	Yarmouth ...	30.31	65	SSE	2	b	30.28	-.02	65	58	+1	W	3	bcm	2	65	54	b	*	—
	Nottingham ...														*					
	Oxford	30.34	63	WSW	2	bc	30.35	-.01	60	56	+1	W	3	bc	*	71	51	—	*	—
	London (Brixton)...	30.32	72	NW	2	b	30.33	.00	64	56	+2	W	1	bc	*	75	52	bc	11.3	—
GERMANY, &c.	The Scaw (Skagen)	30.07	59	WNW	4	b	30.11	+.05	59	54	-1	NW	4	c	1	63	55	—	*	—
	Fanö	30.26	56	WNW	2	bc	30.25	+.05	59	57	0	W	4	r	*	66	55	—	*	—
	Cuxhaven ...	30.27	65	NW	3	b	30.32	+.09	61	57	-1	WSW	3	c	*	66	57	—	*	—
	The Helder ...	30.21	62	NW	1	b	30.29	+.04	62	57	+1	NW	2	c	1	63	54	—	*	—
	Brussels	*	*	*	*	*	30.37	+.08	64	56	0	SE	1	c	*	73	46	—	*	—
	Berlin	30.19	68	NW	4	c	30.28	+.14	61	57	-7	NW	3	bc	*	77	54	—	*	—
	Frankfürt ...	30.23	65	N	2	c	30.21	+.19	65	58	-5	N	2	b	*	79	57	—	*	—
	Munich	30.24	63	W	5	r	30.35	+.18	62	58	-9	SE	1	b	*	75	57	—	*	—
FRANCE.	C. Gris Nez ...	30.33	63	NE	1	b	30.32	+.05	59	58	-1	SSW	2	b	1	70	57	—	*	—
	Brest	30.39	64	NNW	2	b	30.27	-.10	57	51	+2	E	3	b	3	68	52	—	*	—
	Lorient	30.36	68	W	2	m	30.32	-.09	57	55	+2	E	1	c	2	72	54	—	*	—
	Rochefort ...	30.28	69	N	3	b	30.25	—	63	59	0	E	4	b	*	81	57	bc,b	*	—
	Biarritz	30.31	64	WSW	3	o	30.23	-.12	63	63	0	E	1	o	2	?	59	—	*	—
	Paris	30.31	73	NE	3	bc	30.36	+.06	61	55	+2	ENE	2	b	*	77	53	—	*	—
	Belfort	30.21	62	ENE	3	o	30.28	+.14	59	57	-8	ENE	3	m	*	76	55	—	*	0.16
	Lyons	30.25	69	NNW	2	c	30.25	+.06	64	58	-5	NNW	2	b	*	72	59	—	*	0.12
	Nice	29.97	65	W	4	m	30.04	-.02	64	60	-3	E	1	c	0	79	59	—	*	0.32
	Perpignan ...	30.14	79	NW	3	bc	30.15	+.01	74	62	-1	W	3	b	*	85	68	—	*	—
SPAN. PEN.	Corunna																		*	
	Lisbon	30.08	72	NNW	5	b	30.05	-.05	69	64	-7	SW	3	b	*	84	68	—	*	—
	Azores (P. Delgada)																		*	
	,, (Horta) ...	30.21	67	SSW	4	o	30.16	-.16	65	64	0	Z	0	o	2	72	64	—	*	0.20

NOTE: *The Sunshine for London given in this Table is recorded on the Tower of the Wesleyan Training College, Westminster; the Sunshine entered to Dungeness is recorded at Littlestone-on-Sea.*

* *Observations for this column not generally received.*

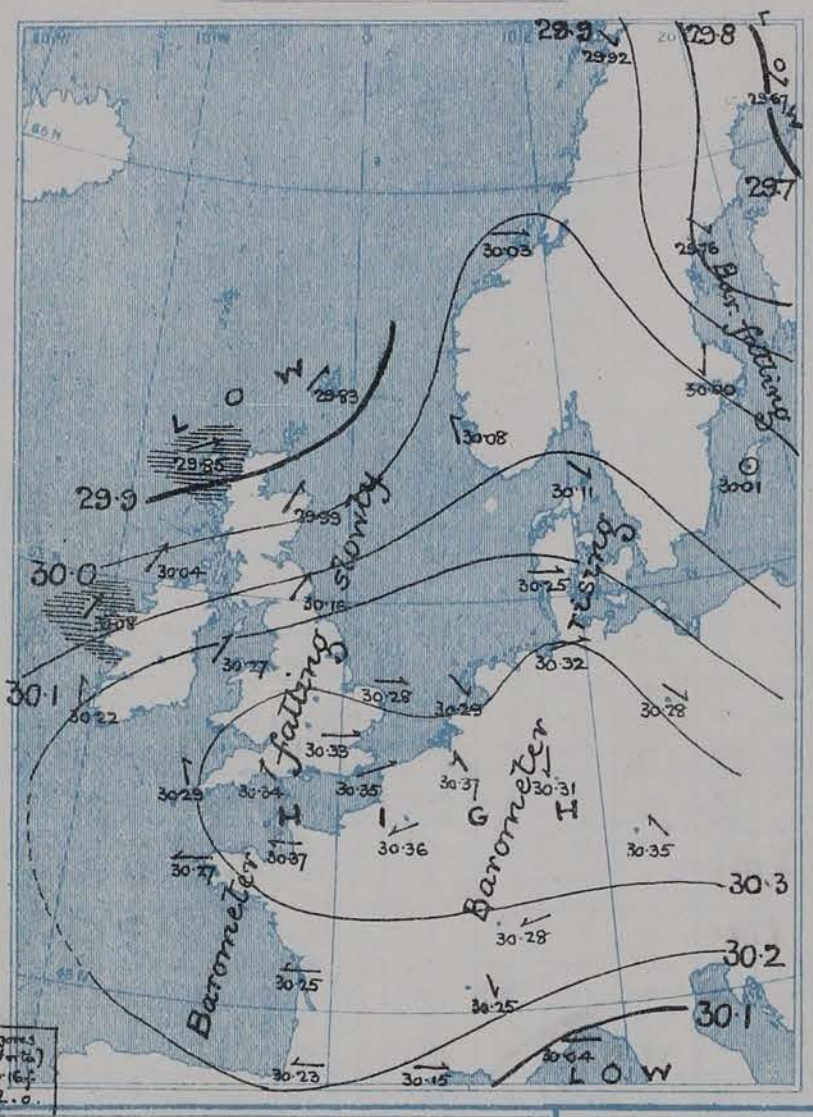
† *Observations received too late for insertion in Charts on next page.*

WEATHER CHARTS

FOR WEDNESDAY, 1st JULY, 1903.

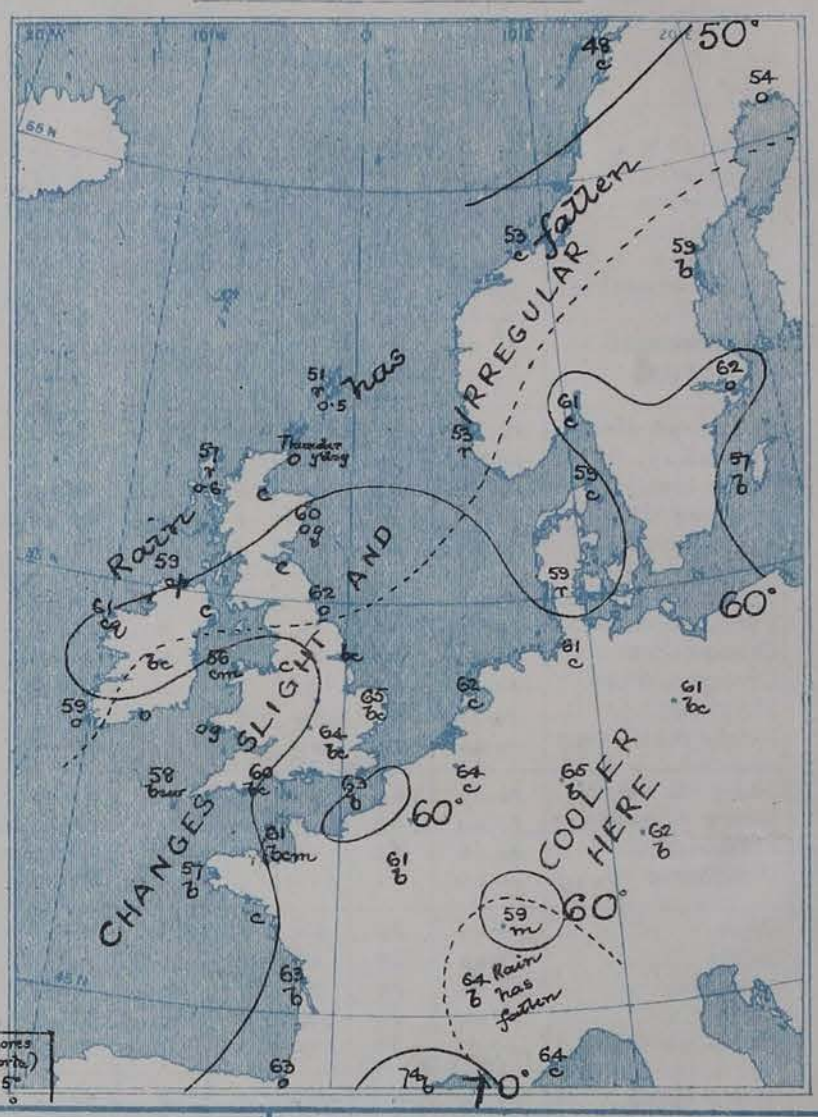
I. BAROMETER, WIND AND SEA. *This Morning.*

BAROMETER.—Isobars are drawn for each tenth of an inch.
WIND.—Arrows show Directions and Force, flying with the wind.
Force above 10 — *Force 8 to 10* — *Force 5 to 7* — *Force 1 to 4* — Calm
SEA.—Rough — *High*



II. TEMPERATURE AND WEATHER. *This Morning.*

TEMPERATURE.—Isotherms are drawn for each 10°.
WEATHER.—Shown by Letters of the Beaufort Scale. (See P. 4.)
RAINFALL.—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0·6



III BAROMETER AND WIND

Yesterday morning.

IV. GREATEST AND LEAST MONTHLY RAINFALL IN JULY

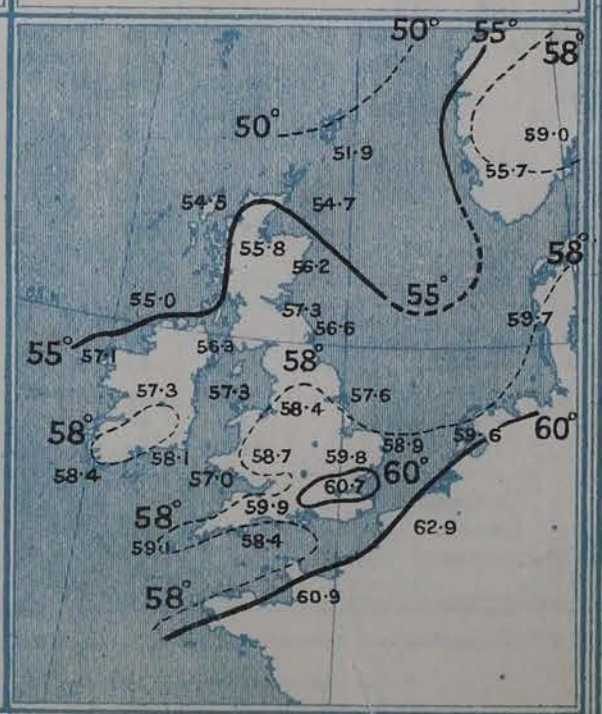
During the 32 Years 1871–1902.

Specimen (for LONDON) { *Greatest Rainfall* 5·94 (IN 1888); *Least Do* 0·51 (IN 1885)

V. *Means of* DAILY TEMPERATURE

at 8 A.M. for the Two monthly period

JUNE-JULY (1871-1900)



GENERAL SITUATION AT 8 A.M.

PRESSURE

The anticyclone noticed yesterday over the southern part of our area has now extended over nearly the whole of western Europe, and the barometer continues to rise over Great Britain, France, and the Netherlands, the highest readings 30·4 ins. and upwards, being found over Brittany and the western part of the Channel. A shallow cyclonic area over the north of Scandinavia, with minimum pressures below 29·8 ins. is causing a general fall of the barometer over Sweden. On our own extreme western coasts a slight fall which has set in during the night indicates the advance of a new disturbance from the Atlantic.

WIND

The wind is South Westerly in all the more western and northern parts of the United Kingdom, but draws into West on the eastern shores of the North Sea, into North West on our own eastern and southern coasts, and into North or North East over the northern and central parts of France. — In the southern parts of France and Germany the wind is Westerly.

TEMPERATURE

Temperature has changed very little, and remains above the average over western Europe generally the morning readings being above 68° at most of the English stations, and above 65° in Germany and the south of France. In the north of France the light Northerly breeze is accompanied by temperatures below 60° the reading at Brest and Lorient being only 55°. In the Shetlands and the west of Norway the thermometer is below 55° and at Bodö it stands at 48°.

WEATHER AND SEA

The weather is fair or fine over western Europe as a whole but the cyclonic systems which are moving north eastwards outside our western and Northern coasts, are causing rain in many parts of Ireland and dull weather in the Shetlands, the Hebrides and the west of Norway with rain at Christiansund. The sea is slight or smooth generally but moderate off our extreme western and northern coasts.

During yesterday the thermometer rose to 70° and upwards in the east and south of England and to 74° in London and at Yarmouth. In many parts of France and Germany it exceeded 80°, and at Frankfort and Perpignan it rose to 93°. Rain has again fallen in Ireland and the west and north of Scotland, - heavily (0·6) at Sumburgh Head. Thunder and lightning occurred yesterday at Aberdeen, and thunder only at Wick. Thunder was also reported at Rochefort.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The anticyclone continues to increase both in size and intensity and will continue to influence the weather over England and the western parts of the continent for the next day or two. In Ireland and Scotland the conditions are likely to be affected by cyclonic systems travelling in a north easterly direction over the western and northern parts of the Atlantic.

The showers due to the passage of these disturbances will probably extend to some of the northern parts of England and Wales.

FORECASTS*

For the 24 hours ending at NOON on 1st July 1903

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	SWly winds, freshening; dull, cool, some rain.	6 SCOTLAND WEST	Same as No. 0.
1 SCOTLAND EAST	SWly winds, light or moderate; fair at first, some showers later.	7 ENGLAND N.W.	Same as No. 1.
2 ENGLAND N.E.	SWly winds, light; fair, warm.	8 ENGLAND S.W.	SWly winds, light or moderate fair generally.
3 ENGLAND EAST	Same as No. 5.	9 IRELAND NORTH	SWly winds, fresh or strong: dull, some rain.
4 MIDLAND COUNTIES	Same as No. 2.	10 IRELAND SOUTH	SWly winds, moderate or fresh; cloudy, showery.
5 ENGLAND SOUTH	NWly to Wly winds, light; fine, warm.	WARNINGS	NONE ISSUED.

Note.—The **South Cone**, *point downwards* (▼), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the *North* Cone is hoisted in preference to the *South* Cone.

The **North Cone**, *point upwards* (▲), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the *South* Cone is hoisted in preference to the *North* Cone.

* *For terms for transmission of Forecasts by Telegraph, see next page*

ADDITIONAL OBSERVATIONS made at Stations in the UNITED KINGDOM.

TELEGRAPHIC REPORTS TO-DAY.	Yesterday 6 p.m.				This Morning 8 a.m.								Past 24 Hours.				
	Bar. Ins.	Temp. °	Wind.	Weather.	Barometer. Ins.	Barometer. Change.	Temperature Dry.	Temperature Wet.	Temperature Change	Wind.	Weather.	Sea.	Weather.	Temperature. Max.	Temperature. Min.	Sunshine. Hrs.	Rainfall Ins.
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	b	*	b, bc	73	54	13.4	—
Bath	30.28	63	W 3	b	30.36	+.10	61	56	+1	W 1	b	*	—	67	51	12.5	—

REPORTS FOR YESTERDAY.

STATIONS.	Temperature F. Max. °	Temperature F. Min. °	Weather. (Beaufort.)	Sunshine Hrs.	Rainfall. Ins.	STATIONS.	Temperature F. Max. °	Temperature F. Min. °	Weather. (Beaufort.)	Sunshine. Hrs.	Rainfall. Ins.
Southport, to 9 p.m.... ...	63	54	c, b	10.4	—	Eastbourne to 6 pm	*	*	*	14.0	*
Rhyl to 6 pm	*	*	*	11.0	*	Hastings	*	*	*	14.2	*
Llandudno...	*	*	*	11.5	*	Lowestoft, to 6 p.m. ...	72	56	c, o, c, b	14.0	—
Aberystwyth, to 6 p.m. ...	61	58	c, b	10.0	—	Harrogate, to 6 p.m. ...	68	51	bcv	12.3	—
Plymouth, to 9 p.m.... ...	68	53	bc	12.6	—	Manchester, to 9 p.m. ...	67	52	bcu, bc	10.3	—
Worthing	*	*	*	13.8	*	Darwen, to 9 p.m.	62	49	c, bc, cw	9.5	—
Brighton	*	*	*	13.9	*	Birmingham, to 9 p.m. ...	68	50	c, b	10.9	—

TEMPERATURE, WEATHER, and RAINFALL at additional FOREIGN STATIONS, mainly for the 24 hours ended at 8 a.m. yesterday.

STATIONS. 29th June 1908.	Temperature, F. Max. °	Temperature, F. Min. °	Weather.	Rain. Ins.	STATIONS.	Temperature, F. Max. °	Temperature, F. Min. °	Weather.	Rain. Ins.
Utrecht...	88	55	b, c	—	Tunis	72	54	c, bc	—
Madrid	100	67	c, bc	—	Algiers	77	63	b, f	—
Vienna	75	57	b, b	—	Madeira (Funchal) Not recd.				
St. Petersburg	68	54	c, b	—					
Trieste	79	64	b, bc	—	28th June 1908.	1 p.m.		1 p.m.	Measured 7 a.m.
Florence	87	62	b, b	—					
Rome	86	63	b, b	—	Obsns. not received.				
Corsica (I. Sanguinaires) ...	99	72	m, m	—	Lugano		—		
Naples	79	67	b, b	—	Davos		—		
Palermo	80	61	b, b	—	Lucerne		—		
Malta	79	66	?, b	—	Lausanne		—		

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

TABLE SHOWING THE LOCAL STANDARD TIMES AND THE CORRESPONDING GREENWICH TIMES OF THE OBSERVATIONS RECORDED ON PAGE 1.

COUNTRIES, &c.	Hours of Morning Observations by Local Standard Time.	Corresponding Greenwich Times.	Hours of Evening Observations by Local Standard.	Corresponding Greenwich Times.
British Isles, Belgium† ...	8 a.m. (West European)	8 a.m.	6 p.m.‡ (W.E.T.)	6 p.m.‡
Holland	8 a.m. (" ")	8 a.m.	7 p.m. (W.E.T.)	7 p.m.
Germany, Denmark, Norway, Sweden	8 a.m. (Mid-European)	7 a.m.	8 p.m. (M.E.T.)	7 p.m.
France	7 a.m. (Paris)	6.51 a.m.	6 p.m. (Paris)	5.51 p.m.
Spain	8 a.m. (West European)	8 a.m.	6 p.m. (W.E.T.)	6 p.m.
Portugal	8 a.m. (Lisbon)	8.36 a.m.	3.23 p.m. (Lisbon)	4 p.m.
Azores: Point Delgada	6 a.m. (Local)	7.43 a.m.	9 p.m. (Local)	10.43 p.m.
Azores: Horta	6 a.m. (Local)	7.55 a.m.	9 p.m. (Local)	10.55 p.m.

TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON, AND SUNSET, FOR STATIONS IN THE UNITED KINGDOM, TO-DAY.

30th June 1908.	Sunrise G.M.T.	Noon G.M.T.	Sunset G.M.T.
Yarmouth	3.35	11.56	8.17
Greenwich	3.48	12.3	8.18
Wick	3.10	12.15	9.19
Valencia	4.26	12.44	9.2

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FORECASTS OF WEATHER for one day in advance are drawn up at the Meteorological Office at 11 a.m., and between 7 and 8 p.m. The latest forecast can be had by Reply Telegram, on paying at any Post Office in the United Kingdom **Sixpence in addition to the cost of the inquiry and reply Telegrams.** Information as to the Terms on which Forecasts can be sent daily, for a long or short period, may be obtained on application to the Meteorological Office, 63, Victoria Street, S.W., either personally or by post.

† The evening observations in Belgium are not given on page 1.

‡ At Oxford the observations are taken at 8 p.m.

DAILY WEATHER REPORT

for 8 a.m. on Thursday, 2nd JULY, 1903.

Issued by the METEOROLOGICAL OFFICE, 63, Victoria Street, London. **W. N. SHAW, Secretary.**

	STATIONS.	YESTERDAY EVENING. (See note on last page.) Barom. At 32° and M.S.L. Ins.	Temp. Dry Bulb. °	Wind. Direc.	Wind. Force (0 to 12.)	Weather	THIS MORNING. (See note on last page.) Barometer. At 32° Fahr. and M.S.L. Ins.	Barometer. Change since Yesterday. Ins.	Temperature. Dry Bulb. °	Temperature. Wet Bulb. °	Temperature. Change since Yesterday. °	Wind. Direc.	Wind. Force (0 to 12.)	Weather.	Sea (0 to 9.)	PAST 24 HOURS. Temp. Max. °	Temp. Min. °	Weather	Sunshine. Hours.	Rainfall. Ins.
SCANDINAVIA.	Haparanda ...	29.80	53	SW	2	bc	29.79	+.12	57	52	+3	SSE	2	bc	*	59	50	—	*	0.16
	Hernösand ...	29.91	58	Z	0	b	29.78	+.02	60	53	+1	S	2	b	*	70	48	—	*	—
	Stockholm ...	30.01	63	Z	0	b	29.96	-.04	65	59	+3	SW	2	0	*	73	55	—	*	—
	Wisby	30.05	61	S	2	bc	30.03	+.02	60	57	+3	Z	0	0	*	63	55	—	*	—
	Karlstad	30.02	61	SW	4	b	29.97	-.10	63	57	+4	SW	6	b	*	*	*	—	*	—
	Færder (X'iania Fjord)	30.01	61	SW	6	0	29.99	-.09	64	59	+3	WSW	5	b	2	64	59	—	*	—
	Bodö	29.88	48	SE	2	c	29.80	-.12	50	46	+2	SSE	4	c	2	50	46	—	*	0.12
	Christiansund ...	29.81	57	WNW	4	†	29.71	-.32	53	52	0	W	8	c	4	59	52	—	*	0.16
	Skudesnaes ...	30.05	55	W	2	†	30.08	.00	56	55	+3	WSW	4	c	2	56	53	†	*	*
BRITISH ISLANDS.	Sumburgh Head	29.80	55	SW	4	0	29.93	+.10	51	51	0	W	5	0	5	57	41	0	*	0.17
	Stornoway ...	29.89	58	SW	6	0	29.98	+.13	55	54	-2	SSW	2	0	2	59	51	†,0	0.0	0.06
	Malin Head ...	30.07	61	SW	5	b	29.97	-.07	59	56	0	SSW	3	0	2	64	53	0,b	*	—
	Blacksod Pt. ...	30.10	61	SSW	5	b	29.88	-.20	61	55	0	S	4	c	3	64	55	bc,b	*	—
	Valencia	30.12	65	SE	4	b	29.84	-.38	62	57	+3	ENE	2	0	4	66	58	b	8.4	—
	Roche's Point ...	30.19	60	SSE	3	b	29.89	-.38	61	58	+2	SE	5	c	2	63	55	b	*	0.01
	Parsonstown ...	30.13	73	Z	0	b	29.96	-.25	57	52	-4	E	2	0	*	74	51	—	11.2	—
	Donaghadee ...	30.15	65	SW	3	bc	30.06	-.12	57	55	-4	S	3	c	3	68	51	—	*	—
	Liverpool Obsy.	30.22	63	WNW	1	b	30.07	-.21	60	56	+1	SE	3	b	1	65	52	—	*	—
	Holyhead ...	30.22	57	SW	4	b	30.04	-.23	68	60	+12	S	1	bc	1	68	48	bcm,b	*	—
	Pembroke (St. Ann's)	30.23	57	SSW	2	bc	30.00	-.30	60	58	+4	E	5	bcm	4	61	52	—	8.3	—
	Scilly (St. Mary's)...	30.16	60	E	4	bc	29.89	-.40	60	57	+2	ESE	5	c	5	64	56	b,bc	14.4	—
	Jersey (St. Aubins)...	30.23	69	NNW	3	bm	30.06	-.31	68	61	+7	ENE	2	cm	2	74	60	bm	14.2	—
	Portland Bill ...	30.26	64	Z	0	b	30.09	-.25	61	59	+1	E	4	c	3	66	55	b	*	—
	Dungeness ...	30.27	64	SW	1	bc	30.13	-.22	66	61	+3	ENE	3	bc	1	66	57	b,bc	12.3	—
	Wick	29.91	61	W	4	b	30.02	+.12	60	57	+4	W	2	bc	1	70	?56	—	*	—
	Nairn	29.95	61	WSW	3	c	30.02	+.07	59	56	-1	W	2	c	1	67	53	—	*	—
	Aberdeen ...	30.00	69	WSW	4	b	30.06	+.07	65	57	+5	W	1	c	2	72	54	b	10.0	—
	Leith	30.07	64	WSW	3	bc	30.07	-.01	62	57	0	E	1	bc	*	71	50	—	*	—
	North Shields ...	30.15	67	WSW	3	b	30.11	-.05	62	57	0	E	2	c	2	71	55	bc,b	*	—
	Spurn Head ...	30.19	67	W	3	b	30.14	-.11	62	58	+2	E	2	b	2	74	55	—	*	—
	Yarmouth ...	30.21	75	W	3	b	30.16	-.12	64	58	-1	S	4	b	3	75	58	b	*	—
	Nottingham ...														*					
	Oxford	30.22	69	W	1	b	30.12	-.23	65	59	+5	SE	2	b	*	76	50	—	*	—
	London (Brixton)...	30.24	76	SW	2	b	30.13	-.20	70	61	+6	SE	3	b	*	78	52	bc,b,20	12.6	—
GERMANY, &c.	The Scaw (Skagen)	30.09	58	W	4	c	30.08	+.03	61	58	+2	W	4	m	1	63	57	—	*	—
	Fanö	30.22	58	W	2	b	30.23	-.02	60	58	+1	WSW	5	b	*	64	57	—	*	—
	Cuxhaven ...	30.26	65	W	1	c	30.26	-.06	62	58	+1	W	1	b	*	68	55	—	*	—
	The Helder ...	30.24	63	W	1	b	30.20	-.09	69	62	+7	S	1	b	0	69	50	—	*	—
	Brussels	*	*	*	*	*	30.20	-.17	70	60	+6	SSE	2	b	*	77	56	—	*	—
	Berlin	30.26	68	NW	1	c	30.26	-.02	68	60	+7	WNW	2	b	*	72	61	—	*	—
	Frankfürt ...	30.23	69	NE	1	b	30.21	-.10	68	57	+3	N	1	b	*	77	57	—	*	—
	Munich	30.32	64	NE	2	b	30.30	-.05	63	58	+1	E	3	b	*	72	48	—	*	—
FRANCE.	C. Gris Nez ...	30.24	63	Z	0	b	30.16	-.16	67	60	+8	SE	3	b	2	70	59	—	*	—
	Brest	30.18	68	NW	2	b	29.99	-.28	63	58	+6	E	3	b	2	77	55	—	*	—
	Lorient	30.12	72	Z	0	bc	30.00	-.32	63	59	+6	E	3	b	2	81	?57	—	*	—
	Rochefort ...	30.10	80	ENE	4	b	29.99	-.26	67	63	+4	E	3	c	*	90	59	b	*	—
	Biarritz	30.06	83	E	3	b	29.97	-.26	77	74	+14	E	1	b	0	84	63	—	*	—
	Paris	30.25	73	ENE	2	b	30.14	-.22	68	60	+7	ESE	2	b	*	77	55	—	*	—
	Belfort	30.16	68	ENE	3	m	30.16	-.12	60	56	+1	ENE	5	m	*	75	53	—	*	—
	Lyons	30.14	75	N	1	bc	30.15	-.10	67	61	+3	E	1	b	*	80	58	—	*	—
	Nice	30.08	76	Z	0	b	30.13	+.09	75	64	+11	Z	0	b	0	82	64	—	*	—
	Perpignan ...	30.09	80	SE	2	b	30.07	-.08	73	68	-1	NE	1	b	*	88	62	—	*	—
SPAN. PEN.	Corunna																		*	
	Lisbon	30.11	66	WSW	4	0	30.14	+.09	?	60	—	WNW	?	?	*	73	63	—	*	—
	Azores (P. Delgada)																		*	
	" (Horta) ...	30.25	64	Z	0	bc	30.25	+.09	63	61	-2	Z	0	0	0	70	61	—	*	—

NOTE: *The Sunshine for London given in this Table is recorded on the Tower of the Wesleyan Training College, Westminster: the Sunshine entered to Dungeness is recorded at Littlestone-on-Sea.*

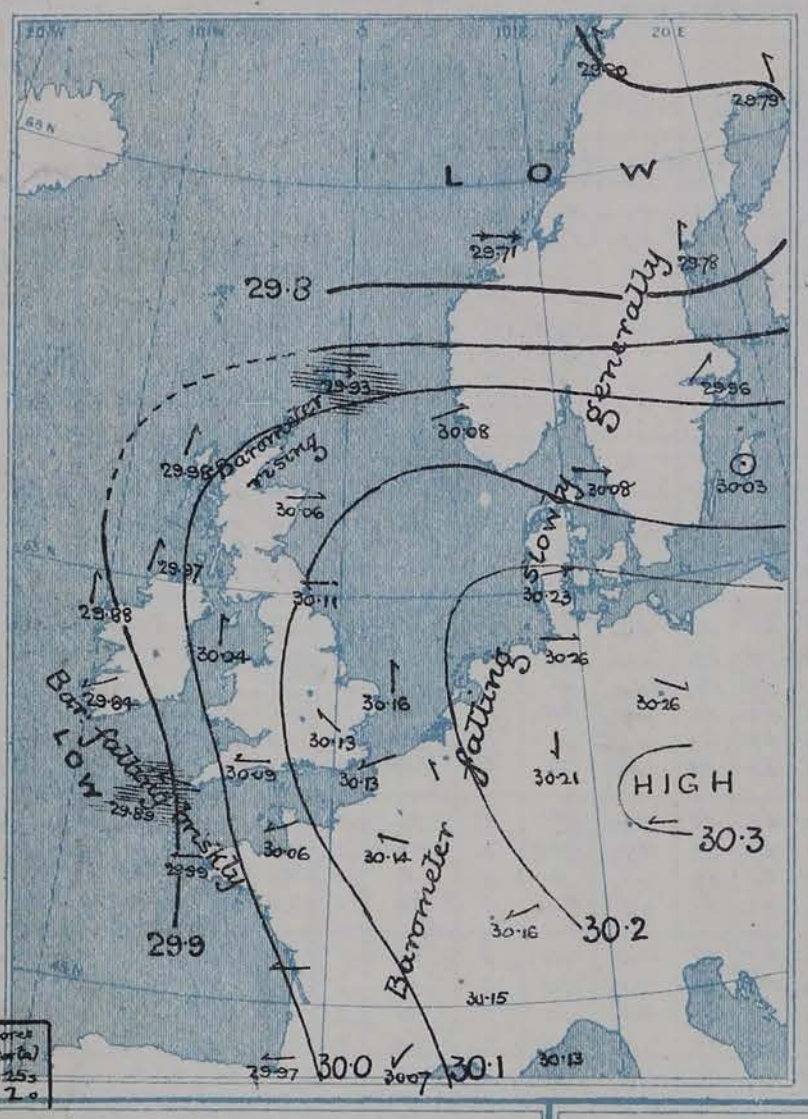
* *Observations for this column not generally received.* † *Observations received too late for insertion in Charts on next page.*

WEATHER CHARTS

FOR THURSDAY, 2ND JULY, 1903.

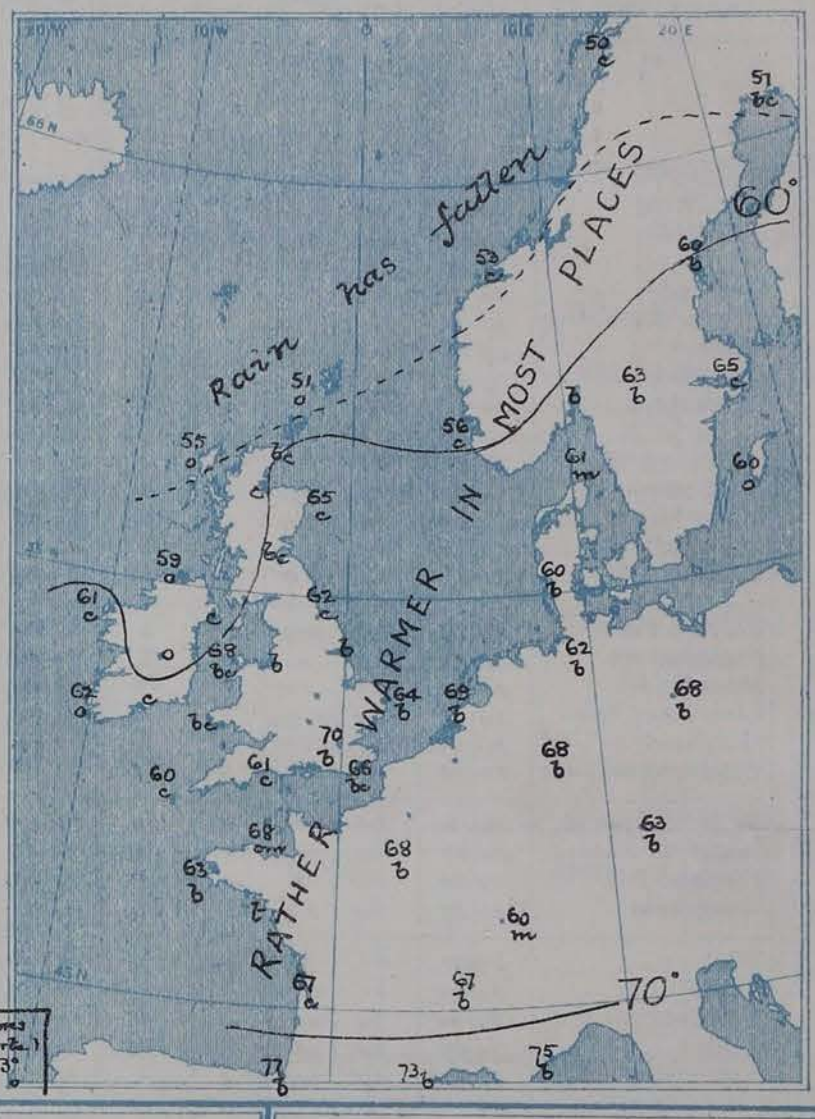
I. BAROMETER, WIND AND SEA. *This Morning.*

BAROMETER.—Isobars are drawn for each tenth of an inch.
WIND.—Arrows show Directions and Force, flying with the wind.
Force above 10 ⟶ ; *Force 5 to 7* ⟶ ; *Force 8 to 10* ⟶ ; *Force 1 to 4* ⟶ ; } Calm ⊙
SEA.—Rough *High*



II. TEMPERATURE AND WEATHER. *This Morning.*

TEMPERATURE.—Isotherms are drawn for each 10°.
WEATHER.—Shown by Letters of the Beaufort Scale. (See P. 4.)
RAINFALL.—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0·6



III. BAROMETER AND WIND

Yesterday morning.

IV. GREATEST AND LEAST MONTHLY RAINFALL IN JULY

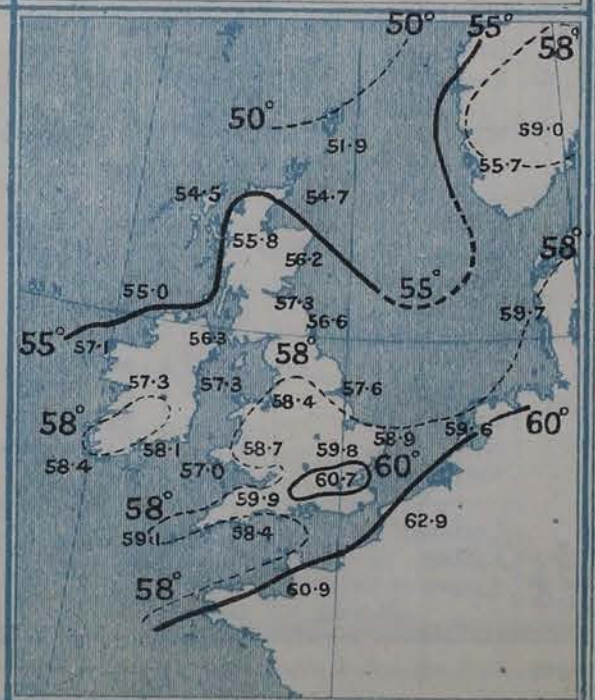
During the 32 Years 1871–1902.

Specimen (for LONDON) { *Greatest Rainfall* 5·94 (IN 1888) ; *Least Do* 0·51 (IN 1885)

V. *Means of* DAILY TEMPERATURE

at 8 A.M. for the Two monthly period

JUNE–JULY (1871–1900)



GENERAL SITUATION AT 8 A.M.

PRESSURE

An anticyclone still lies over the more southern parts of our area, the highest pressures, 30·3 ins. and upwards being at present reported over Germany, the Netherlands, the south of England and the north of France. The lowest readings, 29·7 ins. and less, are reported over Lapland, but the barometer is low, 29·9 ins. and less, in a large cyclonic system lying to the northward of Scotland.

The mercury is falling slowly in most parts of the United Kingdom and also in the west of France and in Sweden, but is at present rising elsewhere.

WIND

South Westerly breezes continue to prevail in the western and northern parts of the United Kingdom, and blow freshly or strongly on our extreme north west coasts. Over eastern and central England the wind is light from the Westward, and in Scandinavia and Denmark it is moderate from the same quarter or from the West, but in Germany it is very variable, while in France it is light from the Eastward.

TEMPERATURE

Temperature has risen slightly in most countries, but has fallen in Sweden and Germany. Over the United Kingdom the readings are still above the average, the thermometer being slightly above 60° in many places, and as high as 65° at Yarmouth. Readings above 60° are also reported in most parts of France, Germany, and the Netherlands; in the Shetlands and the west of Norway the readings are below 55, the lowest value reported being 48° at Bodö.

WEATHER AND SEA

The weather is fair or fine over western Europe as a whole, but is dull at many of the Irish and Scotch stations with rain in the Shetlands and Hebrides; rain is also falling at Skudesnaes. The sea is slight or smooth generally, but rough off the west of Scotland and the north west of Ireland.

During yesterday the thermometer rose to 65° and upwards in most parts of Great Britain, to 71° at Oxford, and to 75° in London. In France and Germany it exceeded 75°, the highest readings reported being 85° at Perpignan and 81° at Rochefort. The amount of Bright Sunshine was large (12 to 14 hours) on our South coasts, but small elsewhere. Rain again fell in most parts of Ireland and Scotland and also in the extreme north of England; thunder occurred at Wick

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The anticyclone appears to be moving slowly eastwards – no immediate change in the weather is anticipated over England, but in the course of the next day or two it is probable that shallow cyclonic disturbances will approach our Islands from the Southwestward or Southward and cause unsettled thundery conditions in many districts

FORECASTS*

For the 24 hours ending at NOON on 2nd July 1903

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	SWly winds, strong in places; unsettled, rain at times.	6 SCOTLAND WEST	Same as No. 0.
1 SCOTLAND EAST 2 ENGLAND N.E.	SWly winds, moderate; fair at first, some rain later.	7 ENGLAND N.W.	SWly winds, moderate: fair at first, showery later.
		8 ENGLAND S.W.	Sly and SEly winds, light: fair generally.
3 ENGLAND EAST 4 MIDLAND COUNTIES	Wly to variable breezes; fair, warm.	9 IRELAND NORTH	Same as No. 0.
		10 IRELAND SOUTH	Sly winds, moderate or fresh: cloudy, some rain.
5 ENGLAND SOUTH	Variable or light Ely airs; fair, warm.	WARNINGS	NONE ISSUED.

Note.—The **South Cone**, *point downwards* (▼), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the *North* Cone is hoisted in preference to the *South* Cone.

The **North Cone**, *point upwards* (▲), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the *South* Cone is hoisted in preference to the *North* Cone.

* *For terms for transmission of Forecasts by Telegraph, see next page*

ADDITIONAL OBSERVATIONS made at Stations in the UNITED KINGDOM.

TELEGRAPHIC REPORTS TO-DAY.	Yesterday 6 p.m.					This Morning 8 a.m.									Past 24 Hours.				
	Bar. Ins.	Temp. °	Wind Direc^n	Wind Force	Weather.	Barometer. Ins.	Barometer. Change	Temperature Dry.	Temperature Wet.	Temperature Change	Wind Direc^n	Wind Force	Weather.	Sea.	Temperature Max.	Temperature Min.	Weather	Sunshine. Hrs.	Rainfall Ins.
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	*	*	bw	*	67	53	bc, b	10·1	—
Bath	30·38	63	W	3	b	30·34	-·02	57	56	-2	W	1	b	*	70	50	—	12·5	—

REPORTS FOR YESTERDAY.

STATIONS.	Temperature F. Max. °	Temperature F. Min. °	Weather.	Sunshine. Hrs.	Rainfall. Ins.	STATIONS.	Temperature F. Max. °	Temperature F. Min. °	Weather.	Sunshine. Hrs.	Rainfall. Ins.
Southport, to 9 p.m.... ...	66	54	c, o	5·2	—	Eastbourne, to 6 p.m. ...	*	*	*	11·8	*
Rhyl, to 6 pm	*	*	*	5·8	*	Hastings	*	*	*	13·1	*
Llandudno	*	*	*	3·5	*	Broadstairs	*	*	*	12·7	—
Aberystwyth, to 6 p.m. ...	62	59	bc	9·0	—	Lowestoft, to 6 p.m.... ...	66	53	bc, b	12·5	—
Plymouth, to 9 p.m.... ...	68	49	bc	13·1	—	Harrogate, to 6 p.m. ...	67	49	b, c, o	8·8	—
Worthing	*	*	*	12·3	*	Manchester, to 9 p.m. ...	66	48	bc, ov, cb	3·5	—
Brighton	*	*	*	12·2	*	Darwen, to 9 p.m.	64	49	b, c, ovw	3·2	—
						Birmingham, to 9 p.m. ...	67	49	c, b, o	5·0	—

TEMPERATURE, WEATHER, and RAINFALL at additional FOREIGN STATIONS, mainly for the 24 hours ended at 8 a.m. yesterday.

STATIONS. 30th June, 1908.	Temperature, F. Max.	Temperature, F. Min.	Weather.	Rain. Ins.	STATIONS. 29th June, 1908	Temperature, F. Dry. 1 p.m.	Temperature, F. Wet.	Weather. 1 p.m.	Rain. Ins. Measured 7 a.m.
Marseilles	84	63	b, c	—	Geneva	81	*	b	—
Utrecht...	79	52	bc, c	0·04	Berne	82	*	b	—
Copenhagen	68	57	o, o	—	Lucerne	82	*	b	—
Prague ... ... Not rec^d					Coire	84	*	b	—
Vienna	75	57	b, b	—	Castasegna	79	*	b	—
Buda-Pesth	75	57	bc, bc	—	Lugano	86	*	b	—
St. Petersburg	72	54	b, o	—					
Rome	86	63	b, b	—					
Malta	77	68	?, b	—					
Madeira (Funchal) Not rec^d									

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

TABLE SHOWING THE LOCAL STANDARD TIMES AND THE CORRESPONDING GREENWICH TIMES OF THE OBSERVATIONS RECORDED ON PAGE 1.

COUNTRIES, &c.	Hours of Morning Observations by Local Standard Time.	Corresponding Greenwich Times.	Hours of Evening Observations by Local Standard.	Corresponding Greenwich Times.
British Isles, Belgium† ...	8 a.m. (West European)	8 a.m.	6 p.m. (W.E.T.)	6 p.m.
Holland	8 a.m. („ „)	8 a.m.	7 p.m. (W.E.T.)	7 p.m.
Germany, Denmark, Norway, Sweden	8 a.m. (Mid-European)	7 a.m.	8 p.m. (M.E.T.)	7 p.m.
France	7 a.m. (Paris)	6.51 a.m.	6 p.m. (Paris)	5.51 p.m.
Spain	8 a.m. (West European)	8 a.m.	6 p.m. (W.E.T.)	6 p.m.
Portugal	8 a.m. (Lisbon)	8.36 a.m.	3.23 p.m. (Lisbon)	4 p.m.
Azores { Ponta Delgada	6 a.m. (Local)	7.43 a.m.	9 p.m. (Local)	10.43 p.m.
Azores { Horta	6 a.m. (Local)	7.55 a.m.	9 p.m. (Local)	10.55 p.m.

TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON, AND SUNSET, FOR STATIONS IN THE UNITED KINGDOM, TO-DAY.

1st July, 1908.	Sunrise G.M.T.	Noon G.M.T.	Sunset G.M.T.
Yarmouth	3.35	11.56	8.17
Greenwich	3.48	12.3	8.18
Wick	3.11	12.15	9.19
Valencia	4.26	12.44	9.2

SUBSCRIPTIONS both for the Daily *and* Weekly Weather Reports *may be paid, in advance, to the* Meteorological Office.

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„ Weekly „ „ „ £1 10 0 „ Single Copies, 6d.

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FORECASTS OF WEATHER for one day in advance are drawn up at the Meteorological Office at 11 a.m., and between 7 and 8 p.m. The latest forecast can be had by Reply Telegram, on paying at any Post Office in the United Kingdom **Sixpence in addition to the cost of the inquiry and reply Telegrams.** Information as to the Terms on which Forecasts can be sent daily, for a long or short period, may be obtained on application to the Meteorological Office, 63, Victoria Street, S.W., either personally or by post.

† The evening observations in Belgium are not given on page 1.

‡ At Oxford the observations are taken at 8 p.m.

DAILY WEATHER REPORT

for 8 a.m. on Friday, 3rd JULY, 1903.

Issued by the METEOROLOGICAL OFFICE, 63, Victoria Street, London. W. N. SHAW, *Secretary.*

	STATIONS.	YESTERDAY EVENING. (See note on last page.) Barom. At 32° and M.S.L. Ins.	Temp. Dry Bulb. °	Wind. Direc.	Wind. Force (0 to 12.)	Weather	THIS MORNING. (See note on last page.) Barometer. At 32° Fahr. and M.S.L. Ins.	Barometer. Change since Yesterday. Ins.	Temperature. Dry Bulb. °	Temperature. Wet Bulb. °	Temperature. Change since Yesterday. °	Wind. Direc.	Wind. Force (0 to 12.)	Weather.	Sea (0 to 9.)	PAST 24 HOURS. Temp. Max. °	Temp. Min. °	Weather	Sunshine. Hours.	Rainfall. Ins.
SCANDINAVIA.	Haparanda ...	29.66	53	S	2	o	29.67	-.12	57	54	0	E	4	b	*	59	48	—	*	0.08
	Hernösand ...	29.85	60	Z	0	o	29.91	+.13	60	51	0	W	4	bc	*	72	48	—	*	—
	Stockholm ...	29.89	68	SW	2	b	29.92	-.04	68	59	+3	SW	2	b	*	75	55	—	*	—
	Wisby	30.01	63	S	2	b	29.98	-.05	60	56	0	SW	2	b	*	70	57	—	*	—
	Karlstad	29.94	67	WSW	4	b	29.96	-.01	62	55	-1	WSW	2	bc	*	*	*	—	*	—
	Færder (X'iania Fjord)	29.99	64	W	5	bc	29.94	-.05	62	55	-2	ENE	1	o	2	66	59	—	*	—
	Bodö	29.72	49	SW	4	†	29.92	+.12	47	43	-3	W	2	b	4	55	?46	—	*	0.47
	Christiansund ...	29.94	51	W	8	o	29.95	+.24	52	50	-1	ENE	3	o	3	54	48	—	*	0.08
	Skudesnaes ...	30.08	58	Z	0	c	29.80	-.28	58	55	+2	ESE	4	o	2	59	54	b, c	*	*
BRITISH ISLANDS.	Sumburgh Head	29.95	53	ESE	3	bc	29.48	-.45	53	53	+2	SSE	3	o	5	55	50	c, bc	*	0.35
	Stornoway ...	29.80	59	ENE	2	†	29.34	-.64	54	52	-1	WSW	7	†	7	65	50	o, †	0.5	0.45
	Malin Head ...	29.56	60	SE	7	ogm	29.69	-.28	54	52	-5	W	8	og	6	62	52	ogm, ZZr	*	0.02
	Blacksod Pt. ...	—	—	—	—	—	29.87	-.01	57	55	-4	W	5	bc	5	61	53	ZZr, rm	*	0.42
	Valencia	29.88	59	W	4	c	30.05	+.21	57	53	-5	WSW	6	c	5	64	55	ZZr, o, c	1.6	0.41
	Roche's Point ...	29.82	63	NNW	4	c	30.04	+.15	58	54	-3	W	5	bc	3	63	52	b, m, c	*	0.01
	Parsonstown ...	29.77	55	ENE	3	c	29.97	+.01	58	53	+1	W	3	c	*	69	52	c, p	3.2	0.05
	Donaghadee ...	29.74	58	SSW	2	o†	29.81	-.25	56	53	-1	SSW	3	c	3	68	57	o†	*	0.28
	Liverpool Obsy.	29.81	69	SSE	2	o	29.92	-.15	58	52	-2	W	5	bc	3	78	55	op	*	0.05
	Holyhead ...	29.72	60	SSW	3	opm	29.93	-.11	57	53	-1	WSW	5	bm	4	75	53	om, opm	*	0.11
	Pembroke (St. Ann's)	29.85	58	SW	5	o	30.03	+.03	56	55	-4	W	6	bc	5	65	55	ZZr, of, m	3.9	0.09
	Scilly (St. Mary's)...	29.91	61	SW	5	c	30.12	+.23	59	57	-1	WSW	4	cw	4	64	56	ZZr, m, c	6.9	0.05
	Jersey (St. Aubins)...	29.96	71	WNW	4	bcm	30.16	+.10	58	55	-10	W	3	om	3	77	54	bcm, og	9.3	—
	Portland Bill ...	29.93	61	SE	1	c	30.10	+.01	58	55	-3	WNW	4	b	3	66	56	bc, c	*	—
	Dungeness ...	29.94	66	NE	3	m	30.04	-.09	62	60	-4	WSW	5	c	3	71	58	m	13.4	—
	Wick	29.86	55	SW	3	bc	29.46	-.56	58	56	-2	W	4	b	2	65	51	—	*	0.25
	Nairn																		*	
	Aberdeen ...	29.91	58	SSE	1	o	29.58	-.48	59	53	-6	SSW	4	b	3	67	53	c, o, ZZp	7.3	0.15
	Leith	29.81	71	SE	2	o	29.69	-.38	59	53	-3	SSW	4	bc	*	77	54	o, ZZ	*	0.08
	North Shields ...	29.86	61	SE	3	o	29.80	-.31	59	54	-3	SW	3	c	2	65	53	c, oZ, †	*	0.09
GERMANY, &c.	Spurn Head ...	29.85	63	SE	5	c	29.91	-.23	62	57	0	WSW	5	bc	3	66	57	—	*	—
	Yarmouth ...	29.96	65	ESE	5	b	29.93	-.23	65	59	+1	WNW	5	bc	3	67	58	b	*	—
	Nottingham ...														*					
	Oxford	29.87	71	S	2	o	30.03	-.09	61	56	-4	W	3	c	*	80	56	o, †	*	—
	London (Brixton)...	29.91	77	S	2	o	30.02	-.11	64	58	-6	W	3	c	*	84	58	b, c	11.0	—
	The Scaw (Skagen)	30.04	60	W	4	bc	29.96	-.12	60	58	-1	SW	2	c	0	68	55	—	*	—
	Fanö	30.11	58	SSW	1	c	29.90	-.33	66	61	+6	SE	3	b	*	68	55	—	*	—
	Cuxhaven ...	30.15	67	N	1	b	29.92	-.34	66	62	+4	S	3	b	*	70	59	—	*	—
	The Helder ...	29.99	69	ENE	2	b	29.88	-.32	65	62	-4	W	3	b	1	75	61	—	*	—
	Brussels	*	*	*	*	*	30.05	-.15	60	58	-10	WNW	4	o	*	85	60	—	*	—
	Berlin	30.14	75	NW	2	b	30.06	-.20	70	62	+2	S	4	b	*	84	61	—	*	—
	Frankfürt ...	30.03	72	SE	1	b	30.01	-.20	72	63	+4	S	2	bc	*	86	63	—	*	—
	Munich	30.20	64	NE	4	b	30.20	-.10	67	61	+4	SE	1	b	*	75	52	—	*	—
FRANCE.	C. Gris Nez ...	29.93	80	Z	0	b	30.01	-.15	59	57	-8	W	4	o	4	86	55	—	*	—
	Brest	30.02	64	WNW	2	c	30.18	+.19	58	57	-5	NW	2	bc	3	70	57	—	*	—
	Lorient	30.00	64	WNW	4	b	30.20	+.20	60	58	-3	NW	3	c	2	75	57	—	*	—
	Rochefort ...	30.01	68	NW	4	bc	30.18	+.19	63	60	-4	NW	3	o	*	90	61	b, bc	*	—
	Biarritz	30.18	66	WSW	4	o	30.27	+.30	64	63	-13	WNW	2	o	3	82	61	—	*	0.55
SPAN. PEN.	Paris	29.98	83	SSE	2	b	30.11	-.03	63	59	-5	NW	3	c	*	87	62	—	*	—
	Belfort	30.01	77	ENE	2	m	30.06	-.10	71	64	+11	Z	0	m	*	80	60	—	*	—
	Lyons	30.04	80	S	2	b	30.12	-.03	73	64	+6	S	1	b	*	87	59	—	*	—
	Nice	30.11	76	WSW	1	b	30.12	-.01	75	66	0	Z	0	b	0	82	66	—	*	—
	Perpignan ...	30.02	82	E	1	b	30.17	+.10	73	66	0	W	1	b	*	88	64	—	*	—
	Corunna																		*	
	Lisbon	30.24	65	NNW	4	b	30.22	+.08	66	60	-1	N	4	b	*	73	61	—	*	—
	Azores (P. Delgada)	30.32	67	SSW	4	c	30.33	+.08	67	66	+1	SW	3	c	2	73	66	—	*	—
	" (Horta) ...	30.30	68	SSW	2	o	30.30	+.05	68	67	+5	SSW	4	o	2	73	63	—	*	—

NOTE: *The Sunshine for London given in this Table is recorded on the Tower of the Wesleyan Training College, Westminster: the Sunshine entered to Dungeness is recorded at Littlestone-on-Sea.*

* *Observations for this column not generally received.*

† *Observations received too late for insertion in Charts on next page.*

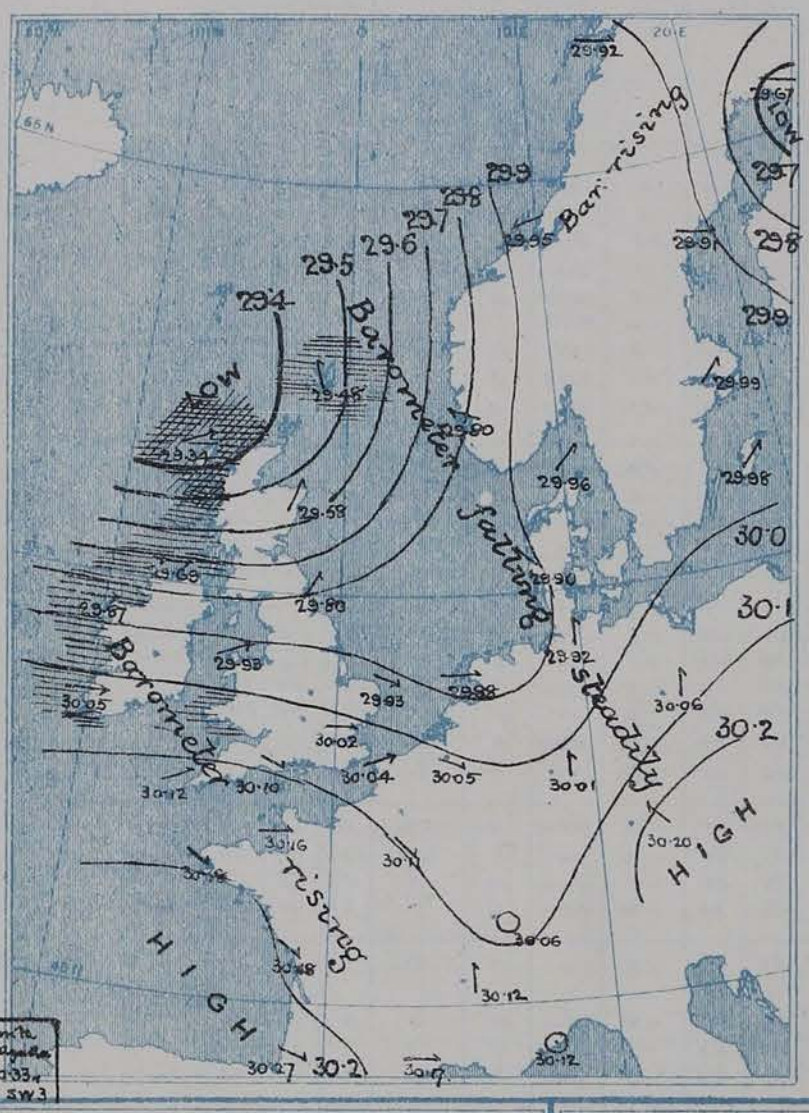
WEATHER CHARTS

FOR FRIDAY, 3RD JULY, 1903.

I. BAROMETER, WIND AND SEA. *This Morning.*

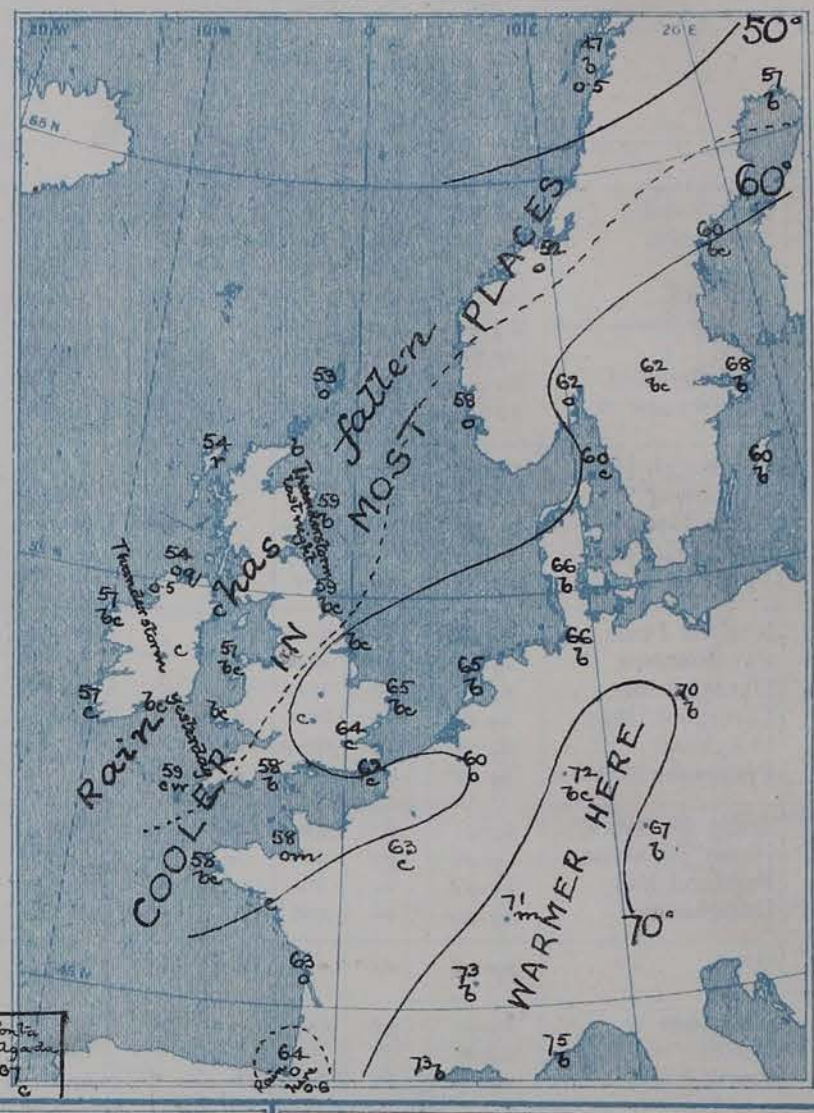
BAROMETER.—Isobars are drawn for each tenth of an inch.
WIND.—Arrows show Directions and Force, flying with the wind.

Force above 10 ⟶ : *Force 5 to 7* ⟶ : } Calm ⊙
Force 8 to 10 ⟶ : *Force 1 to 4* ⟶ : }
SEA.—Rough ▒ *High* ▓



II. TEMPERATURE AND WEATHER. *This Morning.*

TEMPERATURE.—Isotherms are drawn for each 10°.
WEATHER.—Shown by Letters of the Beaufort Scale. *(See P. 4.)*
RAINFALL.—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus→0·6



III. BAROMETER AND WIND

Yesterday morning.

IV. GREATEST AND LEAST MONTHLY RAINFALL IN JULY

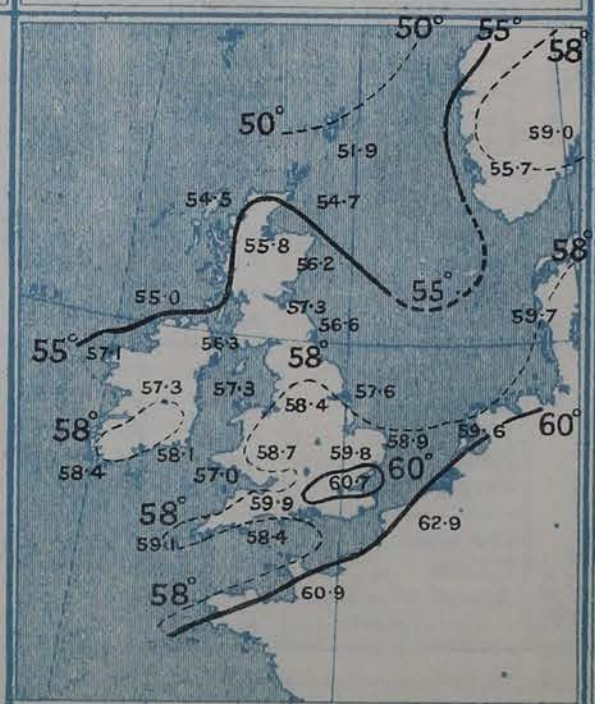
During the 32 Years 1871–1902.

Specimen (for LONDON) { *Greatest Rainfall* 5·94 (IN 1888) / *Least Do* 0·51 (IN 1885) }

V. *Means of* DAILY TEMPERATURE

at 8 A.M. for the Two monthly period

JUNE–JULY (1871–1900)



GENERAL SITUATION AT 8 A.M.

PRESSURE

The anticyclone recently noticed over the southern parts of our area is moving away to the eastward, the highest pressures, 30·2 INS. to 30·3 INS., being now reported over the Netherlands, Germany and the South of Denmark. A cyclonic disturbance, – apparently of considerable size, is approaching these Islands from the southwestward and the barometer is falling at all but the Scotch stations, – briskly on our South west coasts. The lowest pressures, 29·8 INS. and less, are at present found in a cyclonic area over the northern parts of Scandinavia, but the barometer is in all probability quite as low, if not lower, in the new disturbance which is advancing from the Atlantic.

WIND

TEMPERATURE

WEATHER

AND

SEA

Under the influence of the approaching depression the wind has shifted to the Eastward or South Eastward over nearly the whole of England, Ireland and France, and on our extreme South west coasts it has increased to a fresh breeze with a heavy ground sea. Over Scotland and the northern parts of the continent, the wind is affected by the Scandinavian low pressure system, being chiefly Westerly (with a gale at Christiansund), but Southerly over the Gulf of Bothnia, and South Easterly at Bodö. Temperature has risen in most places, and is now as high as 65° or more in several parts of Great Britain, as well as in France, Germany and the Netherlands. In London the thermometer stands at 70° or about 9° above the average for the time of year, while in the South of France, the readings are above 70°, the highest reported being 77° at Biarritz. In the Shetlands and the west coast of Norway the readings range between 50° and 53°. The weather is fair or fine over western Europe generally, but is dull at several of the Irish stations, and also in the Shetlands and Hebrides. Thunder is reported at Lorient. The sea is slight or smooth generally, but is rather rough at the mouth of the Channel, and also at Sumburgh Head.

During yesterday the thermometer rose to 70° and upwards over the eastern and central parts of Great Britain, and in central Ireland, and to 78° in London. In the west and south west of France it exceeded 80°, and at Rochefort it touched 90°. The amount of Bright Sunshine was large generally: on several parts of our western and southern coasts it exceeded 14 hours. At Stornoway there was none. A little rain fell in the Shetlands and Hebrides, and also in the west and north of Scandinavia

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The cyclonic disturbance to the Southwestward of these Islands is likely to spread eastward and northward. Unsettled thundery weather will probably set in to day in many parts of our western and South western districts and will extend by to morrow to most parts of England. In the course of the next two or three days the weather over the United Kingdom generally is likely to be dominated by this disturbance, so that unfavourable conditions are probable in nearly all districts.

FORECASTS*

For the 24 hours ending at NOON on 3rd July 1903

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	SWly or Sly winds, moderate; fair generally. Warmer.	6 SCOTLAND WEST	Sly winds, light or moderate: fair generally. Warmer.
1 SCOTLAND EAST	Wly to Sly winds, light: fine, warm.	7 ENGLAND N.W.	Sly and SEly winds, freshening: fair at first, some rain later, thunder locally.
2 ENGLAND N.E.	Ely and SEly winds, freshening: fine, warm.	8 ENGLAND S.W.	Ely and SEly winds, strong: fair at first, some rain later, thunder locally.
3 ENGLAND EAST		9 IRELAND NORTH	Same as No. 7.
4 MIDLAND COUNTIES	Ely winds, freshening: fair and warm to day, becoming unsettled to morrow, with some rain and thunder in places.	10 IRELAND SOUTH	Same as No. 8.
5 ENGLAND SOUTH		WARNINGS	NONE ISSUED.

Note.—The **South Cone**, *point downwards* (▼), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the *North* Cone is hoisted in preference to the *South* Cone.

The **North Cone**, *point upwards* (▲), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the *South* Cone is hoisted in preference to the *North* Cone.

* *For terms for transmission of Forecasts by Telegraph, see next page.*

ADDITIONAL OBSERVATIONS made at Stations in the UNITED KINGDOM.

TELEGRAPHIC REPORTS TO-DAY.	Yesterday 6 p.m.					This Morning 8 a.m.									Past 24 Hours.				
	Bar. Ins	Temp. °	Wind Direc.	Wind Force	Weather.	Barometer. Ins.	Barometer. Change	Temperature Dry.	Temperature Wet.	Temperature Change	Wind Direc.	Wind Force	Weather.	Sea.	Temperature Max.	Temperature Min.	Weather	Sunshine. Hrs.	Rainfall Ins.
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	*	*	bw	*	71	59	b	13.6	—
Bath	30.23	74	NW	1	b	30.09	-.25	65	59	+6	W	1	b	*	74	48	—	11.7	—

REPORTS FOR YESTERDAY.

STATIONS.	Temperature F. Max.	Temperature F. Min.	Weather.	Sunshine Hrs	Rainfall. Ins.	STATIONS.	Temperature F. Max.	Temperature F. Min.	Weather.	Sunshine. Hrs.	Rainfall. Ins.
	°	°					°	°			
Southport, to 9 p.m.... ...	65	56	c, b	14.0	—	Eastbourne, to 6 p.m. ...	*	*	*	13.5	*
Rhyl to 6 pm	*	*	*	11.0	*	Hastings	*	*	*	14.7	*
Llandudno...	*	*	*	14.2	*	Broadstairs	*	*	*	10.6	—
Aberystwyth, to 6 p.m. ...	62	58	bc	10.0	—	Lowestoft, to 6 p.m.... ...	75	54	bc, b	11.3	—
Plymouth, to 9 p.m.... ...	68	49	b	13.7	—	Harrogate, to 6 p.m. ...	67	53	o, c, bv	11.3	—
Worthing	*	*	*	14.6	*	Manchester, to 9 p.m. ...	69	53	bc, b	9.8	—
Brighton	*	*	*	14.0	*	Darwen, to 9 p.m.	65	51	c, bvw	12.0	—
						Birmingham, to 9 p.m. ...	73	51	c, b	8.9	—

TEMPERATURE, WEATHER, and RAINFALL at additional FOREIGN STATIONS, mainly for the 24 hours ended at 8 a.m. yesterday.

STATIONS. 1st July, 1903.	Temperature, F. Max.	Temperature, F. Min.	Weather.	Rain. Ins.	STATIONS. 30th June, 1903	Temperature, F. Dry. 1 p.m.	Temperature, F. Wet.	Weather. 1 p.m.	Rain. Ins. Measured 7 a.m.
Marseilles	88	63	b, m	—	Geneva	64	*	r	—
Utrecht...	70	46	c, o	—	Berne	68	*	bbr	—
Copenhagen	66	54	b, o	—	Lucerne	68	*	o	—
Prague ... ... Not recd.					Coire	64	*	r	—
Vienna	75	61	b, r	0.08	Castasegna	77	*	o	—
Buda-Pesth	75	61	o, o	—	Lugano	82	*	bc	—
St. Petersburg	75	54	b, o	—					
Rome	85	65	bc, o	—					
Malta	81	69	?, b	—					
Madeira (Funchal) Not recd.									

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

TABLE SHOWING THE LOCAL STANDARD TIMES AND THE CORRESPONDING GREENWICH TIMES OF THE OBSERVATIONS RECORDED ON PAGE 1.

COUNTRIES, &c.	Hours of Morning Observations by Local Standard Time.	Corresponding Greenwich Times.	Hours of Evening Observations by Local Standard.	Corresponding Greenwich Times.
British Isles, Belgium† ...	8 a.m. (West European)	8 a.m.	6 p.m. (W.E.T.)	6 p.m.
Holland	8 a.m. („ „)	8 a.m.	7 p.m. (W.E.T.)	7 p.m.
Germany, Denmark, Norway, Sweden	8 a.m. (Mid-European)	7 a.m.	8 p.m. (M.E.T.)	7 p.m.
France	7 a.m. (Paris)	6.51 a.m.	6 p.m. (Paris)	5.51 p.m.
Spain	8 a.m. (West European)	8 a.m.	6 p.m. (W.E.T.)	6 p.m.
Portugal	8 a.m. (Lisbon)	8.36 a.m.	3.23 p.m. (Lisbon)	4 p.m.
Azores { Ponta Delgada	6 a.m. (Local)	7.43 a.m.	9 p.m. (Local)	10.43 p.m.
Azores { Horta	6 a.m. (Local)	7.55 a.m.	9 p.m. (Local)	10.55 p.m.

TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON, AND SUNSET, FOR STATIONS IN THE UNITED KINGDOM, TO-DAY.

2nd July, 1903.	Sunrise G.M.T.	Noon G.M.T.	Sunset G.M.T.
Yarmouth	3.36	11.57	8.17
Greenwich	3.49	12.4	8.18
Wick	3.12	12.16	9.19
Valencia	4.27	12.45	9.2

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„ Weekly „ „ „ £1 10 0 „ Single Copies, 6d.

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FORECASTS OF WEATHER for one day in advance are drawn up at the Meteorological Office at 11 a.m., and between 7 and 8 p.m. The latest forecast can be had by Reply Telegram, on paying at any Post Office in the United Kingdom **Sixpence in addition to the cost of the inquiry and reply Telegrams.** Information as to the Terms on which Forecasts can be sent daily, for a long or short period, may be obtained on application to the Meteorological Office, 63, Victoria Street, S.W., either personally or by post.

† The evening observations in Belgium are not given on page 1.

‡ At Oxford the observations are taken at 8 p.m.

DAILY WEATHER REPORT

for 8 a.m. on Saturday, 4th JULY, 1903.

Issued by the METEOROLOGICAL OFFICE, 63, Victoria Street, London. **W. N. SHAW,** *Secretary.*

	STATIONS.	YESTERDAY EVENING. (See note on last page.) Barom. At 32° and M.S.L. Ins.	Temp. Dry Bulb.	Wind. Direc.	Wind. Force (0 to 12.)	Weather	THIS MORNING. (See note on last page.) Barometer. At 32° Fahr. and M.S.L. Ins.	Change since Yesterday. Ins.	Temperature. Dry Bulb. °	Wet Bulb. °	Change since Yesterday. °	Wind. Direc.	Wind. Force (0 to 12.)	Weather.	Sea (0 to 9.)	PAST 24 HOURS. Temp. Max. °	Temp. Min. °	Weather	Sunshine. Hours.	Rainfall. Ins.
SCANDINAVIA.	Haparanda ...	29.82	57	W	2	b	29.72	+.05	57	53	0	S	4	b	*	72	52	—	*	—
	Hernösand ...	29.83	54	S	2	b	29.55	-.36	52	52	-8	E	2	r	*	68	52	—	*	0.08
	Stockholm ...	29.83	62	SE	2	b	29.69	-.23	63	55	-5	W	8	b	*	73	57	—	*	—
	Wisby	29.80	62	S	2	b	29.80	-.18	59	55	-1	W	2	b	*	72	59	—	*	—
	Karlstad	29.69	67	SE	4	o	29.69	-.27	59	55	-3	SW	6	b	*	*	*	o, br	*	0.04
	Færder (X'iania Fjord)	?29.63	64	S	6	o	29.66	-.28	59	59	-3	WSW	7	c	4	64	55	—	*	0.08
	Bodö	29.84	49	N	2	b	29.52	-.40	50	47	+3	E	4	r	2	50	45	—	*	—
	Christiansund ...	29.59	53	W	3	r	29.51	-.44	55	52	+3	SW	2	c	2	64	52	—	*	0.24
	Skudesnaes ...	29.70	56	S	6	m	29.52	-.28	54	52	-4	SSW	8	o	4	59	52	b, m	*	*
BRITISH ISLANDS.	Sumburgh Head	29.34	51	SSW	4	o	29.50	+.02	50	50	-3	NW	4	o	5	58	49	c, o	*	0.02
	Stornoway ...	29.45	52	WNW	8	r	29.85	+.51	50	48	-4	WNW	3	bc	3	60	46	r	0.1	0.68
	Malin Head ...	29.78	53	WNW	8	ogpm	29.94	+.25	52	52	-2	W	7	op	6	58	52	bc, ogpm	*	0.05
	Blacksod Pt. ...	29.99	57	WNW	5	bcpm	30.03	+.16	57	55	0	WSW	3	bc	3	60	53	bcpm	*	0.01
	Valencia	30.13	58	WSW	5	c	30.08	+.03	57	54	0	SE	3	og	3	60	48	c	9.8	—
	Roche's Point ...	30.09	63	NW	5	b	30.13	+.09	56	54	-2	S	1	o	1	63	48	c, b	*	—
	Parsonstown ...	30.04	59	W	3	bc	30.11	+.14	57	53	-1	SW	1	b	*	69	48	bcp	9.0	0.03
	Donaghadee ...	29.87	61	WSW	5	bcq	29.99	+.18	57	53	+1	W	5	bcq	4	63	51	—	*	0.02
	Liverpool Obsy.	29.98	60	WSW	3	o	30.07	+.15	56	51	-2	W	5	b	4	64	53	—	*	—
	Holyhead ...	30.00	58	SW	3	bp	30.09	+.16	57	53	0	SSW	3	bc	3	61	51	cm, bp	*	—
	Pembroke (St. Ann's)	30.09	57	SE	6	bc	30.16	+.13	57	56	+1	W	1	bcm	2	58	53	—	12.1	—
	Scilly (St. Mary's)...	30.19	60	WSW	4	c	30.16	+.04	60	58	+1	WSW	2	c	3	65	55	bc, c	11.5	0.01
	Jersey (St. Aubins)...	30.23	62	W	4	b	30.25	+.09	59	56	+1	WSW	3	bcm	3	64	55	bcm, bw	11.3	—
	Portland Bill ...	30.14	59	W	5	bc	30.19	+.09	57	55	-1	W	4	b	3	62	55	bc	*	—
	Dungeness ...	30.09	62	W	6	bc	30.17	+.13	61	57	-1	W	4	bc	2	66	52	bc	9.2	—
	Wick	29.38	51	NW	7	c	29.69	+.23	52	50	-6	NW	7	c	3	59	48	cp	*	0.15
	Nairn	29.46	56	SW	4	o	29.79	+.31	56	51	-3	WNW	3	bc	3	63	51	—	*	0.05
	Aberdeen ...	29.54	58	SSW	5	cq	29.79	+.21	58	52	-1	W	5	c	2	64	55	cq, o	10.0	—
	Leith	29.69	60	W	4	bc	29.86	+.17	61	56	+2	WSW	4	c	*	64	53	—	*	—
	North Shields ...	29.83	62	SW	4	c	29.91	+.11	59	54	0	WSW	3	c	2	65	53	cp	*	—
	Spurn Head ...	29.94	62	W	5	bc	30.02	+.11	59	53	-3	W	6	bc	3	68	53	—	*	—
	Yarmouth ...	29.98	70	W	5	b	30.07	+.14	61	55	-4	W	4	bc	3	72	50	b	*	—
	Nottingham ...														*					
	Oxford	30.10	58	WSW	4	b	30.16	+.13	58	53	-3	W	3	b	*	68	51	—	*	—
	London (Brixton)...	30.07	67	W	5	bc	30.15	+.13	60	54	-4	SW	2	b	*	71	50	bc, b, o	11.8	—
GERMANY, &c.	The Scaw (Skagen)	29.76	58	W	5	bc	29.77	-.19	60	56	0	SW	4	bc	1	68	55	—	*	—
	Fanö	29.95	58	W	5	b	29.93	+.03	60	55	-6	WSW	7	c	*	72	57	—	*	—
	Cuxhaven ...	30.01	64	W	4	o	30.02	+.10	61	57	-5	WSW	3	bc	*	81	55	—	*	—
	The Helder ...	30.00	61	WSW	1	bc	30.07	+.19	60	56	-5	W	2	bc	2	68	59	—	*	—
	Brussels	*	*	*	*	*	30.19	+.14	58	55	-2	SW	2	o	*	73	49	—	*	—
	Berlin	30.15	81	W	2	c	30.10	+.04	65	59	-5	WNW	2	c	*	91	59	—	*	0.20
	Frankfürt ...	30.03	70	NW	2	b	30.12	+.11	65	59	-7	S	3	c	*	90	61	—	*	2.05
	Munich	30.13	73	SW	1	c	30.23	+.03	60	60	-7	Z	0	o	*	84	59	—	*	2.09
FRANCE.	C. Gris Nez ...	30.09	59	WSW	5	b	30.15	+.14	57	54	-2	WSW	4	c	4	64	55	—	*	—
	Brest	30.26	64	NW	2	b	30.24	+.06	58	57	0	Z	0	b	1	68	54	—	*	—
	Lorient	30.24	64	W	4	b	30.25	+.05	55	55	-5	E	1	bc	2	68	52	—	*	—
	Rochefort ...	30.19	66	NW	4	c	?30.26	+.08	64	59	+1	NE	3	bc	*	68	57	c	*	—
	Biarritz	30.27	65	WNW	2	o	30.25	-.02	61	61	-3	ENE	1	m	2	70	59	—	*	—
	Paris	30.15	70	NNW	3	b	30.26	+.15	57	53	-6	S	1	b	*	78	49	—	*	—
	Belfort	30.11	67	WNW	2	o	30.17	+.11	63	60	-8	ENE	2	o	*	77	61	—	*	—
	Lyons	30.16	72	NW	2	bc	30.19	+.07	68	60	-5	NE	2	bc	*	84	63	—	*	—
	Nice	30.08	74	SW	1	b	30.09	-.03	72	66	-3	Z	0	b	0	82	64	—	*	—
	Perpignan ...	30.14	74	W	2	o	30.16	-.01	71	64	-2	W	2	o	*	83	65	—	*	—
SPAN. PEN.	Corunna																		*	
	Lisbon	30.19	63	NW	4	b	30.12	-.10	68	61	+2	NNW	4	b	*	73	61	—	*	—
	Azores (P. Delgada)	30.37	67	SW	3	bc	30.31	-.02	68	65	+1	W	4	bc	3	73	64	—	*	—
	" (Horta) ...	30.33	68	SSW	5	o	30.28	-.02	68	66	0	SW	4	o	2	73	66	—	*	—

NOTE: *The Sunshine for London given in this Table is recorded on the Tower of the Wesleyan Training College, Westminster: the Sunshine entered to Dungeness is recorded at Littlestone-on-S...*

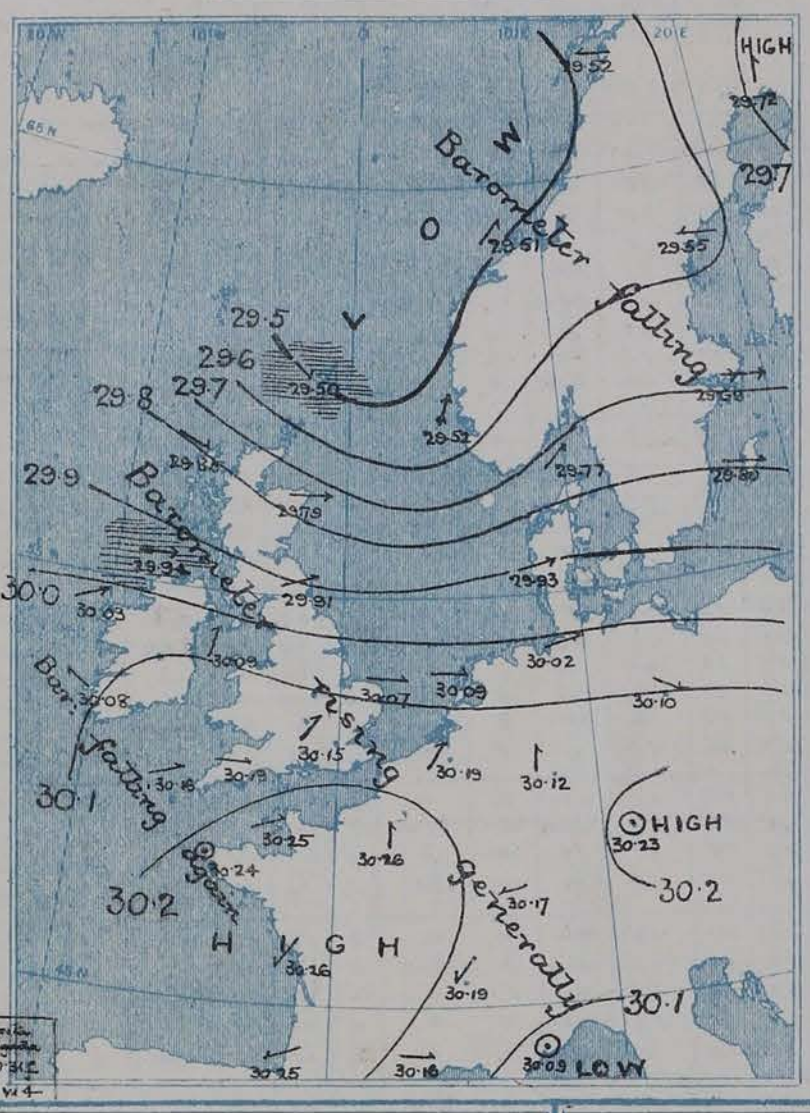
* *Observations for this column not generally received.* † *Observations received too late for insertion in Charts on next page.*

WEATHER CHARTS

FOR SATURDAY, 4TH JULY, 1903.

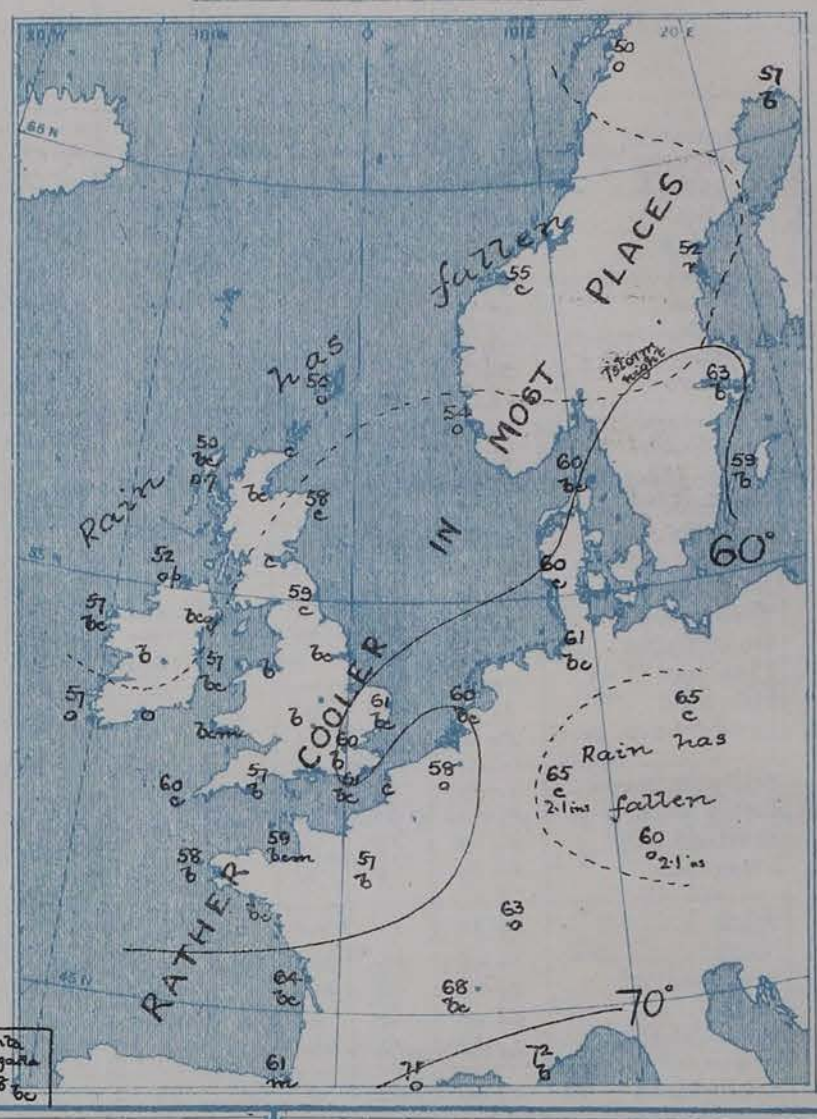
I. BAROMETER, WIND AND SEA. *This Morning.*

BAROMETER.—Isobars are drawn for each tenth of an inch.
WIND.—Arrows show Directions and Force, flying with the wind.
Force above 10 ⟶⟶ ; *Force 5 to 7* ⟶ ; *Force 8 to 10* ⟶ ; *Force 1 to 4* ⟶ ; } Calm ⊙
SEA.—Rough ▒ *High* ▒



II. TEMPERATURE AND WEATHER. *This Morning.*

TEMPERATURE.—Isotherms are drawn for each 10°.
WEATHER.—Shown by Letters of the Beaufort Scale. *(See P. 4.)*
RAINFALL.—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus--0·6



III. BAROMETER AND WIND

Yesterday morning.

IV. GREATEST AND LEAST MONTHLY RAINFALL IN JULY

During the 32 Years 1871–1902.

Specimen (for LONDON) { *Greatest Rainfall* 5·94 (IN 1888) ; *Least Do* 0·51 (IN 1885)

V. *Means of* DAILY TEMPERATURE

at 8 A.M. for the Two monthly period

JUNE-JULY (1871-1900)

GENERAL SITUATION AT 8 A.M.

PRESSURE

The centre of a large and rather deep cyclonic system is now lying over the north of Scotland, the lowest pressures, 29·4 ins. and less, being reported in the Hebrides. The disturbance is apparently moving northward while a "V shaped" secondary is passing eastward across the North Sea and in the rear of both systems the barometer is rising in most parts of our Islands and France. In the north of Scotland and in Denmark, Germany and the south of Norway the mercury is falling. The highest pressures, 30·2 and upwards, are reported over South Germany and also in a new anticyclone which has spread from the southward over the Bay of Biscay, and the south West of France.

WIND TEMPERATURE WEATHER AND SEA

In the rear of the low pressure systems noticed above the wind has shifted to the North Westward in France and to the Westward over the United Kingdom and the Netherlands and on our extreme western coasts it has increased considerably in force with a gale at Malin Head. The change of wind in these countries has been accompanied by a general fall of temperature, and at many of our own western stations the readings are now slightly below the average. Over eastern and central England however, where the thermometer ranges between 60° and 65°, the readings are above the normal. In France the temperature differs but little from the average, the highest readings, 70° to 75°, being reported over the eastern and southern departments. Over Germany and the eastern shores of the North Sea, the wind, to the eastward of the low pressure systems, is Southerly or South Easterly, and temperature has risen, the readings being above 65° in many places. The weather is fair or fine over western Europe as a whole, but is dull in the Shetlands and Hebrides, and also on the Norwegian Coasts, with rain at Stornoway. Dull weather is also reported in the south west of France. The sea is rough or rather so on our extreme western and northern coasts generally, as well as at Pembroke, but is slight or smooth elsewhere.

During yesterday the thermometer rose to 75° and upwards in many parts of Great Britain, to 80° at Oxford, and to 84° in London. The amount of Bright Sunshine was again large in the south and east of England, the longest duration being reported at Clacton on Sea. In our western and northern districts the amount was small and rain fell generally; thunderstorms occurred in many parts of Ireland and Scotland and also at Pembroke and Scilly.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The new anticyclone in the south is spreading northwards, and the weather over England is likely to remain generally fair: thunder showers are however probable to day in isolated places. The cyclonic disturbance in the north will probably be followed by others advancing from the Atlantic, and in Ireland and Scotland the weather is therefore likely to remain changeable with occasional rain in most districts

FORECASTS*

For the 24 hours ending at NOON on 4th July 1903

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	W.ly to SW.ly winds, fresh or strong; cool, changeable, some rain.	6 SCOTLAND WEST	Same as No. 0.
1 SCOTLAND EAST 2 ENGLAND N.E.	SW.ly winds, moderate; fair at first, some showers later.	7 ENGLAND N.W. 8 ENGLAND S.W.	W.ly to SW.ly winds, fresh: fair at first; some showers later
3 ENGLAND EAST 4 MIDLAND COUNTIES 5 ENGLAND SOUTH	W.ly winds, moderate; fair generally, but local thunder-showers not improbable	9 IRELAND NORTH 10 IRELAND SOUTH	W.ly to SW.ly or S.ly winds, fresh: fair at first, some rain later.
		WARNINGS	NONE ISSUED.

Note.—The **South Cone**, *point downwards* (▼), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the *North* Cone is hoisted in preference to the *South* Cone.

The **North Cone**, *point upwards* (▲), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the *South* Cone is hoisted in preference to the *North* Cone.

* *For terms for transmission of Forecasts by Telegraph, see next page*

ADDITIONAL OBSERVATIONS made at Stations in the UNITED KINGDOM.

TELEGRAPHIC REPORTS TO-DAY.	Yesterday 6 p.m.					This Morning 8 a.m.									Past 24 Hours.				
	Bar. Ins.	Temp. °	Wind Direc.	Wind Force	Weather.	Barometer. Ins.	Barometer. Change	Temperature Dry.	Temperature Wet.	Temperature Change	Wind Direc.	Wind Force	Weather.	Sea.	Temperature Max.	Temperature Min.	Weather	Sunshine. Hrs.	Rainfall Ins.
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	*	*	bc	*	67	58	b	14.3	—
Bath	29.89	70	NW	1	b	30.07	−.02	60	55	−5	W	4	b	*	79	58	—	9.5	—

REPORTS FOR YESTERDAY.

STATIONS.	Temperature F. Max. °	Temperature F. Min. °	Weather.	Sunshine Hrs.	Rainfall. Ins.	STATIONS.	Temperature F. Max. °	Temperature F. Min. °	Weather.	Sunshine. Hrs.	Rainfall. Ins.
Southport, to 9 p.m.	77	46	bc, p, o	8.5	0.08	Eastbourne, to 6 p.m. ...	*	*	*	13.2	*
Rhyl to 6 pm	*	*	*	10.0	*	Hastings	*	*	*	13.3	*
Llandudno	*	*	*	9.8	*	Broadstairs	*	*	*	13.0	
Aberystwyth, to 6 p.m. ...	80	71	bc, o	9.3	—	Lowestoft, to 6 p.m.	67	57	bc, c	13.0	—
Plymouth, to 9 p.m.	74	57	bc, op	7.4	—	Harrogate, to 6 p.m. ...	76	46	b, o, c	4.3	—
Worthing	*	*	*	11.5	*	Manchester, to 9 p.m. ...	79	51	cb, b, or	4.8	0.09
Brighton	*	*	*	11.8	*	Darwen, to 9 p.m.	75	49	c, bq, op, o	7.2	0.13
						Birmingham, to 9 p.m. ...	78	55	c, r	6.9	—

TEMPERATURE, WEATHER, and RAINFALL at additional FOREIGN STATIONS, mainly for the 24 hours ended at 8 a.m. yesterday.

STATIONS. 2nd July, 1903.	Temperature, F. Max.	Temperature, F. Min.	Weather.	Rain. Ins.	STATIONS. 1st July, 1903	Temperature, F. Dry. 1 p.m.	Temperature, F. Wet.	Weather. 1 p.m.	Rain. Ins. Measured 7 a.m.
Marseilles	84	61	bc, b	—	Geneva	68	*	bc	0.87
Utrecht	73	50	bc, bc	—	Berne	68	*	c	0.67
Copenhagen	66	57	o, o	?	Lucerne	73	*	c	1.42
Prague	72	55	o, f	—	Coire	70	*	bc	0.12
Vienna	73	59	bc, b	0.04	Castasegna	75	*	bc	0.08
Buda-Pesth	79	57	bc, b	—	Lugano	84	*	b	—
St. Petersburg	66	57	o, b	—					
Rome	79	64	o, b	0.12					
Malta	86	68	?, o	—					
Madeira (Funchal)	75	61	o, b	—					

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

TABLE SHOWING THE LOCAL STANDARD TIMES AND THE CORRESPONDING GREENWICH TIMES OF THE OBSERVATIONS RECORDED ON PAGE 1.

COUNTRIES, &c.	Hours of Morning Observations by Local Standard Time.	Corresponding Greenwich Times.	Hours of Evening Observations by Local Standard.	Corresponding Greenwich Times.
British Isles, Belgium† ...	8 a.m. (West European)	8 a.m.	6 p.m. (W.E.T.)	6 p.m.
Holland	8 a.m. (" ")	8 a.m.	7 p.m. (W.E.T.)	7 p.m.
Germany, Denmark, Norway, Sweden	8 a.m. (Mid-European)	7 a.m.	8 p.m. (M.E.T.)	7 p.m.
France	7 a.m. (Paris)	6.51 a.m.	6 p.m. (Paris)	5.51 p.m.
Spain	8 a.m. (West European)	8 a.m.	6 p.m. (W.E.T.)	6 p.m.
Portugal	8 a.m. (Lisbon)	8.36 a.m.	3.23 p.m. (Lisbon)	4 p.m.
Azores { Ponta Delgada	6 a.m. (Local)	7.43 a.m.	9 p.m. (Local)	10.43 p.m.
Azores { Horta	6 a.m. (Local)	7.55 a.m.	9 p.m. (Local)	10.55 p.m.

TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON, AND SUNSET, FOR STATIONS IN THE UNITED KINGDOM, TO-DAY.

3rd July, 1903.	Sunrise G.M.T.	Noon G.M.T.	Sunset G.M.T.
Yarmouth	3.37	11.57	8.17
Greenwich	3.50	12.4	8.18
Wick	3.14	12.16	9.18
Valencia	4.28	12.45	9.2

SUBSCRIPTIONS both for the Daily *and* Weekly Weather Reports *may be paid, in advance, to the* Meteorological Office.

TERMS: For Daily Weather Report, forwarded by Book Post, £1 0 0 per annum.
" Weekly " " " £1 10 0 " Single Copies, 6d.

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FORECASTS OF WEATHER for one day in advance are drawn up at the Meteorological Office at 11 a.m., and between 7 and 8 p.m. The latest forecast can be had by Reply Telegram, on paying at any Post Office in the United Kingdom **Sixpence in addition to the cost of the inquiry and reply Telegrams.** Information as to the Terms on which Forecasts can be sent daily, for a long or short period, may be obtained on application to the Meteorological Office, 63, Victoria Street, S.W., either personally or by post.

† The evening observations in Belgium are not given on page 1.

‡ At Oxford the observations are taken at 8 p.m.

DAILY WEATHER REPORT

for 8 a.m. on Sunday, 5th JULY, 1903.

Issued by the METEOROLOGICAL OFFICE, 63, Victoria Street, London. W. N. SHAW, *Secretary.*

	STATIONS.	YESTERDAY EVENING. (See note on last page.) Barom. At 32° and M.S.L. Ins.	Temp. Dry Bulb. °	Wind. Direc.	Wind. Force (0 to 12.)	Weather	THIS MORNING. (See note on last page.) Barometer. At 32° Fahr. and M.S.L. Ins.	Barometer. Change since Yesterday. Ins.	Temperature. Dry Bulb. °	Temperature. Wet Bulb. °	Temperature. Change since Yesterday. °	Wind. Direc.	Wind. Force (0 to 12.)	Weather.	Sea (0 to 9.)	PAST 24 HOURS. Temp. Max. °	Temp. Min. °	Weather	Sunshine. Hours.	Rainfall. Ins.
SCANDINAVIA.	Haparanda ...	29.37	55	S	2	0	29.36	-.36	55	51	-2	SE	4	b	*	68	54	—	*	0.04
	Hernösand ...	29.47	54	Z	0	0	29.60	+.05	55	53	+3	NW	4	0	*	73	50	—	*	0.35
	Stockholm ...	29.69	61	SSW	4	b	29.72	+.03	61	55	-2	W	6	0	*	72	57	—	*	—
	Wisby	29.80	62	WSW	4	b	29.87	+.07	?	54	-	W	4	b	*	70	57	—	*	—
	Karlstad	29.64	57	SSW	6	bc	29.78	+.09	59	52	0	W	4	b	*	*	*	r, bc	*	0.04
	Færder (X'iania Fjord)	29.63	59	W	7	b	29.80	+.14	59	54	0	WSW	6	b	4	59	55	—	*	—
	Bodö	29.33	49	SW	3	r	29.50	-.02	45	43	-5	WNW	6	r	3	54	45	—	*	0.35
	Christiansund ...	29.62	50	NW	2	c	29.81	+.30	51	46	-4	WSW	2	c	2	55	46	—	*	0.24
	Skudesnaes ...	29.81	53	WSW	4	0	29.93	+.41	52	49	-2	NW	4	c	3	55	48	0	*	*
BRITISH ISLANDS.	Sumburgh Head	29.78	50	NW	4	c	29.88	+.38	50	47	0	NW	2	0	3	52	46	0, c	*	—
	Stornoway ...	29.94	54	NNW	2	0	29.78	-.07	48	48	-2	ESE	3	r	3	57	45	0	4.4	0.24
	Malin Head ...	29.97	55	NW	1	0	29.56	-.68	56	56	+4	S	7	0	4	58	52	c, 0	*	0.41
	Blacksod Pt. ...	29.91	55	SE	4	rm	29.62	-.41	57	57	0	SW	5	rm	4	60	54	rm	*	0.39
	Valencia	29.91	58	SSE	5	odm	29.74	-.34	58	57	+1	SW	3	0	4	60	57	ogbrm, dm	0.0	0.51
	Roche's Point ...	30.04	58	S	4	og	29.76	-.37	60	59	+4	WSW	2	om	2	61	55	o, ogb	*	0.19
	Parsonstown ...	?29.98	59	SW	3	c	29.72	-.39	59	58	+2	E	1	or	*	65	50	—	4.3	0.09
	Donaghadee ...	30.00	60	W	2	c	29.74	-.25	55	55	-2	SSW	3	0	3	68	53	—	*	0.02
	Liverpool Obsy.	30.08	59	WNW	2	c	29.92	-.15	57	53	+1	SSE	2	0	2	62	53	—	*	—
	Holyhead ...	30.08	57	SW	3	om	29.85	-.24	56	55	-1	SSW	6	odp	4	61	53	cm, om	*	0.01
	Pembroke (St. Ann's)	30.12	56	SW	4	0	29.87	-.29	56	55	-1	S	6	ogpu	5	59	54	ogp	7.1	0.03
	Scilly (St. Mary's)...	30.11	61	S	4	0	29.88	-.28	60	58	0	S	5	mr	3	67	57	c, 0	4.5	0.10
	Jersey (St. Aubins)...	30.18	64	SSW	2	b	30.01	-.24	63	59	+4	SSE	2	c	2	66	57	bc, b	13.0	—
	Portland Bill ...	30.16	58	WSW	4	bc	30.02	-.17	57	54	0	ESE	2	c	2	64	54	b, bc	*	—
	Dungeness ...	30.15	60	WSW	4	bc	30.04	-.13	60	55	-1	SSW	3	c	1	65	56	bc	8.2	—
	Wick	29.90	53	NW	3	bc	29.89	+.20	48	47	-4	Z	0	d	1	57	43	—	*	0.05
	Nairn	29.89	56	W	3	c	29.81	+.02	51	50	-5	E	2	r	1	62	48	—	*	0.17
	Aberdeen ...	29.94	58	WNW	1	0	29.87	+.08	51	50	-7	E	3	op	3	63	49	cg, 0	7.1	0.65
	Leith	29.96	61	WSW	2	0	29.82	-.04	59	53	-2	SSW	1	0	*	69	53	—	*	—
	North Shields ...	30.01	60	W	2	bc	29.90	-.01	57	54	-2	S	2	0	2	64	52	c, bc	*	—
	Spurn Head ...	30.07	63	WNW	2	bc	29.96	-.06	56	54	-3	E	3	cp	3	66	54	—	*	0.03
	Yarmouth ...	30.09	65	E	4	bc	29.98	-.09	63	58	+2	WSW	3	c	3	68	56	bc	*	—
	Nottingham ...														*					
	Oxford	30.10	63	W	2	0	30.00	-.16	59	53	+1	SW	3	0	*	68	55	—	*	—
	London (Brixton)...	30.10	69	WSW	2	bc	30.01	-.14	59	54	-1	WSW	1	0	*	71	55	bc	10.0	—
GERMANY, &c.	The Scaw (Skagen)	29.82	56	W	6	c	29.88	+.11	57	51	-3	WNW	6	c	2	63	54	—	*	—
	Fanö	30.04	57	W	6	c	30.05	+.12	60	56	0	WSW	4	c	*	63	55	—	*	—
	Cuxhaven ...	30.13	62	W	4	b	30.11	+.09	58	55	-3	SW	3	0	*	64	52	—	*	—
	The Helder ...	30.11	59	WSW	1	b	30.03	-.04	61	55	+1	SSW	1	c	0	64	50	—	*	—
	Brussels	*	*	*	*	*	30.07	-.12	66	59	+8	SSW	2	c	*	71	51	—	*	—
	Berlin	30.09	71	WNW	1	b	30.14	+.04	64	55	-1	NW	1	b	*	81	57	—	*	—
	Frankfürt ...	30.12	65	N	2	b	30.08	-.04	63	56	-2	N	1	c	*	75	54	—	*	—
	Munich	30.22	65	NW	1	c	30.15	-.08	67	62	+7	E	4	b	*	72	59	—	*	—
FRANCE.	C. Gris Nez ...	30.16	62	WSW	3	bc	30.05	-.10	58	56	+1	SSW	3	bc	2	64	52	—	*	—
	Brest	30.16	62	WSW	1	0	30.01	-.23	59	57	+1	S	3	bc	2	66	57	—	*	0.04
	Lorient	30.16	64	WNW	2	b	30.03	-.22	60	57	+5	NW	2	bc	2	70	58	—	*	—
	Rochefort ...	30.10	68	NW	3	c	30.05	-.21	65	62	+1	NW	2	0	*	75	63	b, c	*	—
	Biarritz	30.15	67	N	2	c	30.10	-.15	64	64	+3	SW	1	0	0	68	61	—	*	—
	Paris	30.17	69	E	2	b	30.08	-.18	61	55	+4	E	1	bc	*	75	57	—	*	—
	Belfort	30.09	69	WNW	2	0	30.05	-.12	60	56	-3	ENE	3	m	*	75	56	—	*	—
	Lyons	30.11	75	N	1	b	30.08	-.11	64	59	-4	NE	1	0	*	81	62	—	*	—
	Nice	30.06	69	Z	*	0	30.09	.00	70	67	-2	Z	0	c	0	81	64	—	*	—
	Perpignan ...	?	77	?	1	bc	30.05	-.11	73	67	+2	WSW	2	b	*	87	63	—	*	—
SPAN. PEN.	Corunna	30.20	68	WNW	1	b	30.17	-.12	71	58	+8	W	4	b	2	71	57	—	*	—
	Lisbon	30.13	64	NNW	4	b	30.12	.00	68	60	0	NNW	4	b	*	77	61	—	*	—
	Azores (P. Delgada)	30.32	68	Z	0	m	30.29	-.02	70	68	+2	Z	0	f	2	73	66	—	*	—
	" (Horta) ...	30.32	69	WSW	4	f	30.31	+.03	68	67	0	WSW	2	0	1	72	66	—	*	—

NOTE. *The Sunshine for London given in this Table is recorded on the Tower of the Wesleyan Training College, Westminster: the Sunshine entered to Dungeness is recorded at Littlestone-on-Sea.*

* *Observations for this column not generally received.*

† *Observations received too late for insertion in Charts on next page.*

WEATHER CHARTS

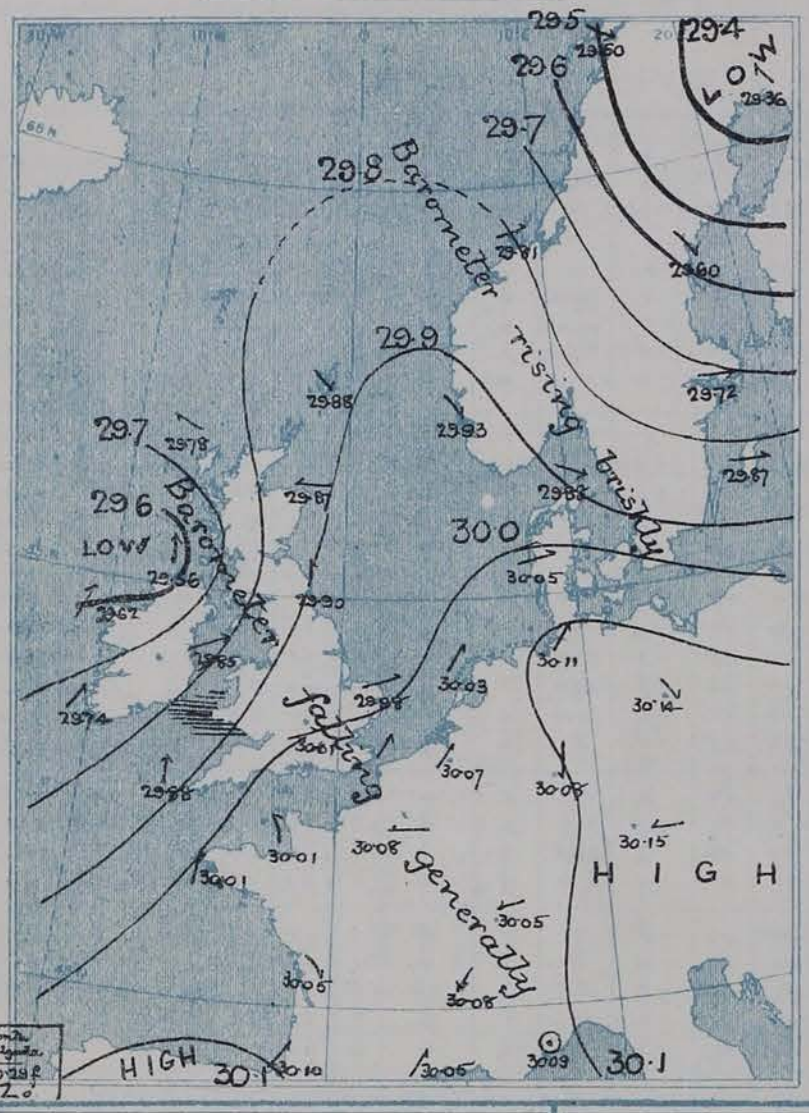
FOR SUNDAY 5TH JULY, 1903.

I. BAROMETER, WIND AND SEA. *This Morning.*

BAROMETER.—Isobars are drawn for each tenth of an inch.
WIND.—Arrows show Directions and Force, flying with the wind.

Force above 10 ⟶⟶ : *Force 5 to 7* ⟶ : } Calm ⊙
Force 8 to 10 ⟶ : *Force 1 to 4* ⟶ :

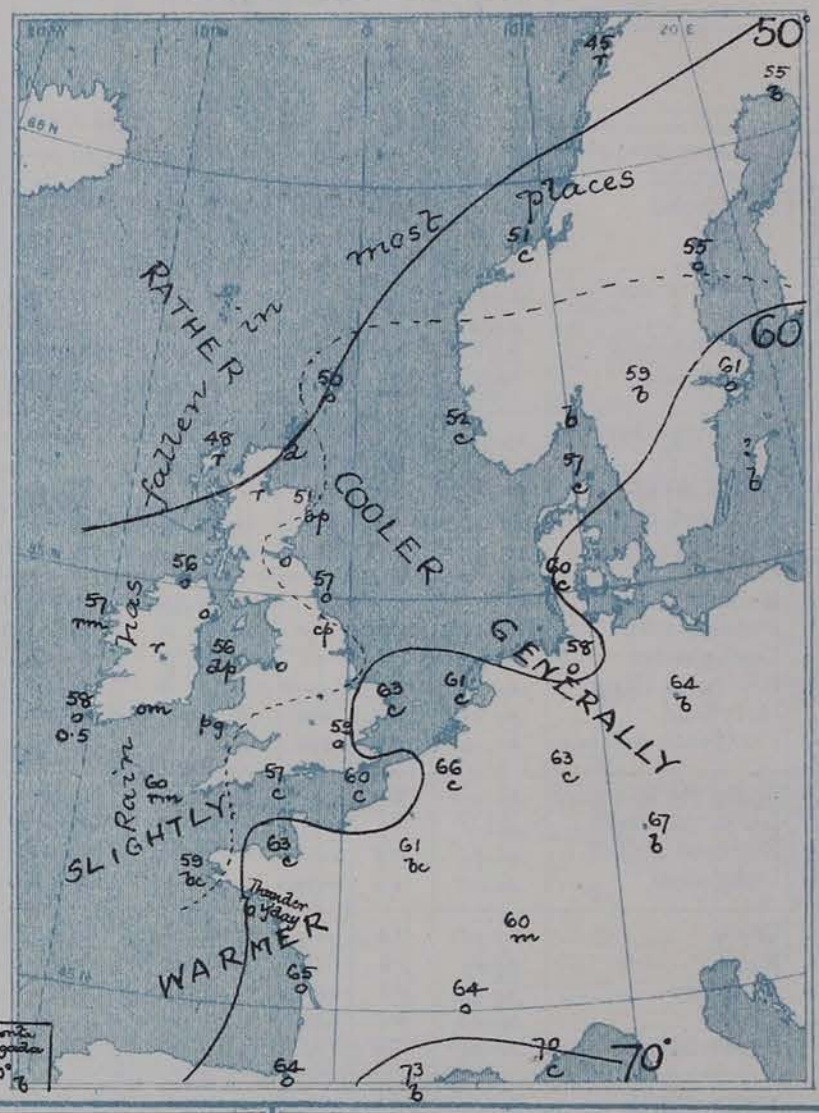
SEA.—Rough *High*



II. TEMPERATURE AND WEATHER. *This Morning.*

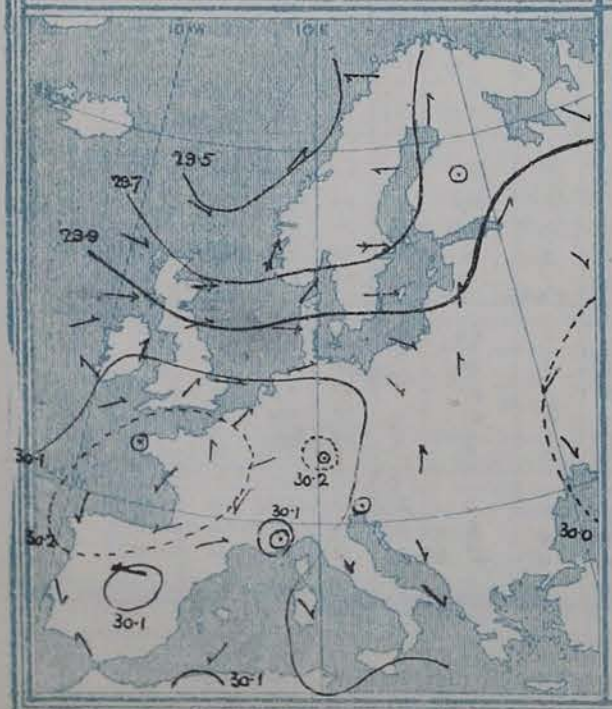
TEMPERATURE.—Isotherms are drawn for each 10°.
WEATHER.—Shown by Letters of the Beaufort Scale. *(See P. 4.)*

RAINFALL.— *A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus --0·6*



III. BAROMETER AND WIND

Yesterday morning.



IV. GREATEST AND LEAST MONTHLY RAINFALL IN JULY

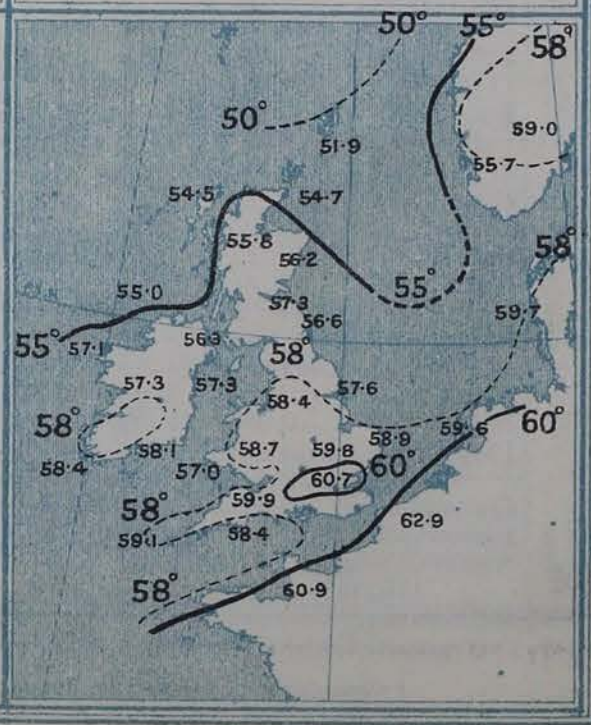
During the 32 Years 1871–1902.

Specimen (for LONDON) { *Greatest Rainfall* 5·94 (in 1888) / *Least Do* 0·51 (in 1885)

V. *Means of* DAILY TEMPERATURE

at 8 A.M. for the Two monthly period

JUNE–JULY (1871–1900)



GENERAL SITUATION AT 8 A.M.

PRESSURE

A large anticyclone lies over France, Germany and the southern parts of the United Kingdom, the highest pressures, 30·2 ins. and upwards, being reported over France and the English Channel. The cyclonic area noticed yesterday off the north of Scotland has moved north eastwards and now lies off the west of Norway, the minimum pressures being below 29.5 ins. The barometer is falling in Scandinavia and Denmark, but is rising in most other parts of our area. A fresh fall has however set in on our extreme west coasts during the night.

WIND

Over the greater part of north western Europe the wind circulates round the low pressure system off the Norwegian coasts, being North Westerly in the north of Scotland, Westerly in most other parts of the United Kingdom and South Westerly in the South of Norway, but Easterly at Bodö and Hernösand. On our own extreme north and north west coasts and in the South of Scandinavia it is very strong in force, with a gale at Stockholm and Skudesnaes. In the south of Ireland the wind has backed to South or South East, while in the west of France it is light from the Eastward.

TEMPERATURE

Temperature has changed rather irregularly but has fallen in most places. In our Islands the readings now differ but little from the average, the highest values reported being 61° at Leith, Yarmouth and Dungeness and 60° in London; on our extreme north and north west coasts the readings range between 50° and 52°. At Paris the reading is only 57°, and at Brussels 58°, but in Germany the thermometer ranges between 60° and 65°, while in the south of France it is above 70°.

WEATHER AND SEA

The weather is fair or fine over western Europe as a whole but is dull in the south of Ireland; passing showers are reported at Malin Head, and steady rain at Hernösand. The sea is rough off the north of Ireland and Scotland, but slight or smooth elsewhere.

During yesterday the thermometer rose to 65° and upwards in many parts of England and central Ireland, to 71° in London, and to 72° at Yarmouth. At Paris it rose to 78°, at Frankfurt to 90°, and at Berlin to 91°. The amount of Bright Sunshine was generally large – more than 12 hours in many places and as much as 14·5 hours at Harrogate. Rain has fallen in Ireland and the west and north of Scotland: and also in Germany; at Frankfurt and Munich the amount reported is as large as 2·1 ins.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

A new low pressure area is approaching our south west coasts and rain is likely to set in again over the western parts of the kingdom. The size and intensity of the system are at present unknown, and it is therefore doubtful whether any considerable increase of wind will take place, or whether rain will extend in any quantity to our eastern districts.

FORECASTS*

For the 24 hours ending at NOON on 5th July 1903

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH 1 SCOTLAND EAST 2 ENGLAND N.E.	W.ly to SW.ly or S.ly winds: fair at first, some showers later.	6 SCOTLAND WEST	Same as Nos. 0 to 2.
		7 ENGLAND N.W. 8 ENGLAND S.W.	S.ly and SW.ly winds, freshening; fair at first, some rain later.
3 ENGLAND EAST 4 MIDLAND COUNTIES 5 ENGLAND SOUTH	W.ly to SW.ly winds, freshening: fine at first, cloudy later, probably some rain.	9 IRELAND NORTH 10 IRELAND SOUTH	S.ly winds, freshening: dull, unsettled, some rain.
		WARNINGS	NONE ISSUED.

Note.—The **South Cone**, *point downwards* ( ), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the *North* Cone is hoisted in preference to the *South* Cone.

The **North Cone**, *point upwards* ( ), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the *South* Cone is hoisted in preference to the *North* Cone.

* *For terms for transmission of Forecasts by Telegraph, see next page.*

ADDITIONAL OBSERVATIONS made at Stations in the UNITED KINGDOM.

TELEGRAPHIC REPORTS TO-DAY.	Yesterday 6 p.m.					This Morning 8 a.m.									Past 24 Hours.				
	Bar. Ins.	Temp. °	Wind Direc^n	Wind Force	Weather.	Barometer. Ins.	Barometer. Change.	Temperature Dry.	Temperature Wet.	Temperature Change	Wind Direc^n	Wind Force	Weather.	Sea.	Temperature Max.	Temperature Min.	Weather	Sunshine. Hrs.	Rainfall Ins.
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	*	*	b	*	70	52	b	12.6	—
Bath	30.11	62	W	5	b	30.16	+.09	60	53	0	W	1	b	*	69	55	—	12.0	—

REPORTS FOR YESTERDAY.

STATIONS.	Temperature F. Max. °	Temperature F. Min. °	Weather.	Sunshine. Hrs.	Rainfall. Ins.	STATIONS.	Temperature F. Max. °	Temperature F. Min. °	Weather.	Sunshine. Hrs.	Rainfall. Ins.
Southport, to 9 p.m.... ...	64	56	c, b, c	13.6	—	Eastbourne, to 6 p.m. ...	*	*	*	10.1	*
Rhyl to 6 pm	*	*	*	10.2	*	Hastings	*	*	*	10.2	*
Llandudno...	*	*	*	12.0	*	Broadstairs	*	*	c	8.7	—
Aberystwyth, to 6 p.m. ...	61	58	c, o	9.0	0.02	Lowestoft, to 6 p.m.... ...	71	59	c, bc	13.1	—
Plymouth, to 9 p.m.... ...	66	50	bcq	10.7	—	Harrogate, to 6 p.m. ...	73	52	b, c, b	14.5	0.06
Worthing	*	*	*	11.1	*	Manchester, to 9 p.m. ...	65	55	bc, p	7.0	0.08
Brighton	*	*	*	10.5	*	Darwen, to 9 p.m.	62	51	bcq, ov	12.0	—
						Birmingham, to 9 p.m. ...	69	54	o, c	6.2	0.02

TEMPERATURE, WEATHER, and RAINFALL at additional FOREIGN STATIONS, mainly for the 24 hours ended at 8 a.m. yesterday.

STATIONS. 3rd July 1903.	Temperature, F. Max.	Temperature, F. Min.	Weather.	Rain. Ins.	STATIONS. 2nd July 1903	Temperature, F. Dry. 1 p.m.	Temperature, F. Wet.	Weather. 1 p.m.	Rain. Ins. Measured 7 a.m.
Marseilles	86	61	b, m	—	Geneva	72	*	b	—
Utrecht...	82	57	bc, c	—	Berne	77	*	b	—
Copenhagen	72	52	o, b	—	Lucerne	75	*	b	—
Prague	77	57	bc, b	—	Coire	77	*	b	—
Vienna	73	55	b, b	—	Castasegna ... Not rec^d		*		
Buda-Pesth	79	59	b, b	—	Lugano	81	*	b	—
St. Petersburg	66	57	b, o	—					
Rome	87	64	c, b	—					
Malta	80	68	?, o	—					
Madeira (Funchal)	73	66	c, o	—					

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

TABLE SHOWING THE LOCAL STANDARD TIMES AND THE CORRESPONDING GREENWICH TIMES OF THE OBSERVATIONS RECORDED ON PAGE 1.

COUNTRIES, &c.	Hours of Morning Observations by Local Standard Time.	Corresponding Greenwich Times.	Hours of Evening Observations by Local Standard.	Corresponding Greenwich Times.
British Isles, Belgium† ...	8 a.m. (West European)	8 a.m.	6 p.m. (W.E.T.)	6 p.m.
Holland	8 a.m. („ „)	8 a.m.	7 p.m. (W.E.T.)	7 p.m.
Germany, Denmark, Norway, Sweden	8 a.m. (Mid-European)	7 a.m.	8 p.m. (M.E.T.)	7 p.m.
France	7 a.m. (Paris)	6.51 a.m.	6 p.m. (Paris)	5.51 p.m.
Spain	8 a.m. (West European)	8 a.m.	6 p.m. (W.E.T.)	6 p.m.
Portugal	8 a.m. (Lisbon)	8.36 a.m.	3.23 p.m. (Lisbon)	4 p.m.
Azores { Ponta Delgada	6 a.m. (Local)	7.43 a.m.	9 p.m. (Local)	10.43 p.m.
Azores { Horta	6 a.m. (Local)	7.55 a.m.	9 p.m. (Local)	10.55 p.m.

TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON, AND SUNSET, FOR STATIONS IN THE UNITED KINGDOM, TO-DAY.

4th July, 1903.	Sunrise G.M.T.	Noon G.M.T.	Sunset G.M.T.
Yarmouth	3.38	11.57	8.16
Greenwich	3.51	12.4	8.17
Wick	3.15	12.16	9.17
Valencia	4.29	12.45	9.1

SUBSCRIPTIONS both for the Daily *and* Weekly Weather Reports *may be paid, in advance, to the* Meteorological Office.

TERMS: For Daily Weather Report, forwarded by Book Post, £1 0 0 per annum.
„ Weekly „ „ „ £1 10 0 „ Single Copies, 6d.

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FORECASTS OF WEATHER for one day in advance are drawn up at the Meteorological Office at 11 a.m., and between 7 and 8 p.m. The latest forecast can be had by Reply Telegram, on paying at any Post Office in the United Kingdom **Sixpence in addition to the cost of the inquiry and reply Telegrams.** Information as to the Terms on which Forecasts can be sent daily, for a long or short period, may be obtained on application to the Meteorological Office, 63, Victoria Street, S.W., either personally or by post.

† The evening observations in Belgium are not given on page 1.

‡ At Oxford the observations are taken at 8 p.m.

DAILY WEATHER REPORT

for 8 a.m. on Monday, 6th July, 1903.

Issued by the METEOROLOGICAL OFFICE, 63, Victoria Street, London. W. N. SHAW, *Secretary.*

	STATIONS.	YESTERDAY EVENING. (See note on last page.) Barom. At 32° and M.S.L. Ins.	Temp. Dry Bulb. °	Wind. Direc.	Wind. Force (0 to 12.)	Weather	THIS MORNING. (See note on last page.) Barometer. At 32° Fahr. and M. S. L. Ins.	Barometer. Change since Yesterday. Ins.	Temperature. Dry Bulb. °	Temperature. Wet Bulb. °	Temperature. Change since Yesterday. °	Wind. Direc.	Wind. Force (0 to 12.)	Weather.	Sea (0 to 9.)	PAST 24 HOURS. Temp. Max. °	Temp. Min. °	Weather	Sunshine. Hours.	Rainfall. Ins.
SCANDINAVIA.	Haparanda ...	29.44	52	NW	4	r	29.75	+.39	50	44	- 5	N	4	o	*	59	50	-	*	0.20
	Hernösand ...	29.79	56	z	0	o	29.88	+.28	48	47	- 7	NW	2	r	*	64	48	-	*	0.04
	Stockholm ...	29.84	63	W	2	b	29.83	+.11	60	55	- 1	SW	2	o	*	72	55	-	*	-
	Wisby	29.94	64	z	0	b	29.80	-.07	60	55	?	z	0	b	*	66	54	-	*	-
	Karlstad	29.82	57	SW	4	b	29.81	+.03	57	54	- 2	WSW	4	o	*	*	*	-	*	-
	Færder (X'iania Fjord)	29.78	59	SW	6	b	29.75	-.05	58	55	- 1	SSW	4	o	3	63	?52	-	*	-
	Bodö	29.84	43	NNW	6	r	29.89	+.39	44	41	- 1	NW	4	b	2	45	41	-	*	0.04
	Christiansund ...	29.91	49	W	2	o	29.89	+.08	50	45	- 1	ENE	3	b	2	52	41	-	*	0.08
	Skudesnaes ...	29.89	53	NW	2	c	29.66	-.27	52	50	0	ENE	4	r	3	55	50	c	*	*
BRITISH ISLANDS.	Sumburgh Head	29.83	50	ESE	2	o	29.75	-.13	48	45	- 2	NE	4	o	6	52	46	o	*	0.37
	Stornoway ...	29.66	48	ENE	8	r	29.87	+.09	48	47	0	NNE	6	o	6	49	43	r	0.0	1.17
	Malin Head ...	29.56	52	NW	8	o	29.91	+.35	51	47	- 5	N	8	bcg	6	61	40	o	*	0.01
	Blacksod Pt. ...	29.84	54	NNW	6	o	30.09	+.47	54	53	- 3	NW	4	c	3	58	51	o	*	0.01
	Valencia	29.88	55	NNW	7	o	30.15	+.41	55	51	- 3	NNW	4	c	4	60	53	o	0.1	0.01
	Roche's Point ...	29.77	60	NNW	5	cp	30.08	+.32	55	51	- 5	NNW	5	o	3	64	50	o,cp	*	0.01
	Parsonstown ...	29.76	57	W	3	o	30.07	+.35	54	50	- 5	W	2	c	*	63	47	op	1.0	0.05
	Donaghadee ...	29.56	60	SW	2	op	29.86	+.12	53	50	- 2	N	6	bcg	6	60	50	op	*	0.07
	Liverpool Obsy.	29.70	61	SSW	3	o	29.75	-.17	52	47	- 5	WNW	8	o	7	63	49	op	*	0.04
	Holyhead ...	29.68	56	SW	6	df	29.87	+.02	53	49	- 3	NW	8	cg	6	57	49	r,df	*	0.19
	Pembroke (St. Ann's)	29.77	57	SW	5	o	29.98	+.11	53	51	- 3	NW	6	bcg	5	58	51	offd	0.0	0.10
	Scilly (St. Mary's)...	29.83	60	W	4	o	30.05	+.17	58	55	- 2	NNW	5	c	3	63	55	o	1.3	0.07
	Jersey (St. Aubins)...	29.92	67	SSE	2	o	29.96	-.05	58	54	- 5	WNW	3	cg	3	68	57	c,o	5.5	0.05
	Portland Bill ...	29.85	56	SSW	2	p	29.89	-.13	55	48	- 2	NW	6	bc	4	63	53	c,p	*	0.09
	Dungeness ...	29.87	62	S	2	bc	29.76	-.28	63	56	+ 3	WNW	5	bc	3	65	57	c,bc	1.1	0.01
	Wick	29.61	47	SE	4	r	29.72	-.17	48	47	0	NNE	5	r	3	50	45	r	*	2.50
	Nairn	29.49	54	z	0	r	29.73	-.08	46	45	- 5	NNE	4	r	4	55	46	r	*	1.04
	Aberdeen ...	29.59	51	SE	4	r	29.49	-.38	48	47	- 3	NNW	7	r	5	55	48	o,or	0.0	0.82
	Leith	29.57	59	SSE	2	r	29.61	-.21	52	47	- 7	WNW	4	o	*	60	51	p,g	*	0.28
	North Shields ...	29.66	60	SSW	2	r	29.47	-.43	52	48	- 5	WNW	4	o	3	64	50	r	*	0.19
	Spurn Head ...	29.74	65	SSW	4	bc	29.51	-.45	54	51	- 2	W	8	c	5	68	51	-	*	-
	Yarmouth ...	29.84	65	SSW	4	c	29.62	-.36	57	51	- 6	WNW	6	c	4	68	52	be,c	*	0.02
	Nottingham ...														*					
	Oxford	29.79	60	SSW	2	o	29.83	-.17	55	49	- 4	W	3	o	*	66	54	o,d	*	-
	London (Brixton)...	29.83	65	SW	3	bo	29.79	-.22	58	51	- 1	WSW	4	o	*	69	56	o,c,o	1.2	-
GERMANY, &c.	The Scaw (Skagen)	29.90	58	WSW	3	bc	29.76	-.12	58	57	+ 1	S	3	r	1	61	55	-	*	-
	Fanö	29.89	58	WSW	2	o	29.65	-.40	58	56	- 2	ESE	2	r	*	66	55	-	*	0.04
	Cuxhaven ...	29.96	65	ENE	1	c	?29.69	-.42	60	57	+ 2	S	2	o	*	68	57	-	*	-
	The Helder ...	29.87	61	SSW	1	o	29.57	-.46	58	57	- 3	SW	5	r	3	68	58	-	*	0.24
	Brussels	*	*	*	*	*	29.78	-.29	60	58	- 6	SW	4	o	*	74	56	-	*	-
	Berlin	29.94	71	SE	2	b	29.74	-.40	64	60	0	SSE	2	o	*	81	61	-	*	-
	Frankfürt ...	29.99	65	SW	1	c	29.78	-.30	69	60	+ 6	SW	4	o	*	79	45	-	*	-
	Munich	30.03	61	S	2	c	29.97	-.18	64	60	- 3	W	5	o	*	77	59	-	*	0.75
FRANCE.	C. Gris Nez ...	29.88	60	SSW	3	o	29.77	-.28	58	57	0	WSW	5	o	5	63	55	-	*	-
	Brest	29.92	60	SW	3	o	30.02	+.01	57	55	- 2	NNW	3	o	3	61	55	-	*	0.04
	Lorient	29.96	62	W	4	f	30.04	+.01	59	59	- 1	WNW	4	b	3	70	57	-	*	-
	Rochefort ...	30.01	66	W	3	o	30.02	-.03	64	61	- 1	W	4	o	*	75	61	o	*	0.04
	Biarritz	30.10	68	W	2	o	30.17	+.07	64	64	0	W	4	o	2	73	61	-	*	-
	Paris	29.93	70	W	2	o	29.91	-.17	61	58	0	WSW	2	o	*	75	58	-	*	0.04
	Belfort	29.89	77	WSW	3	o	29.92	-.13	62	59	+ 2	WSW	3	o	*	81	59	-	*	0.08
	Lyons	29.92	80	SSE	1	b	30.01	-.07	64	61	0	NW	2	o	*	87	63	-	*	0.04
	Nice	30.03	69	S	1	o	29.95	-.14	69	66	- 1	SW	1	o	0	77	63	-	*	-
	Perpignan ...	30.01	72	z	0	b	30.05	.00	63	59	- 10	NW	1	o	*	82	59	-	*	0.43
SPAN. PEN.	Corunna																		*	
	Lisbon	30.13	66	NNW	5	bc	30.12	.00	65	60	- 3	N	5	b	*	79	63	-	*	-
	Azores (P. Delgada)																		*	
	" (Horta) ...	30.39	70	NE	3	o	30.38	+.07	69	66	+ 1	NE	3	c	2	79	68	-	*	-

NOTE: *The Sunshine for London given in this Table is recorded on the Tower of the Wesleyan Training College, Westminster; the Sunshine entered to Dungeness is recorded at Littlestone-on-Sea.*

* *Observations for this column not generally received.*

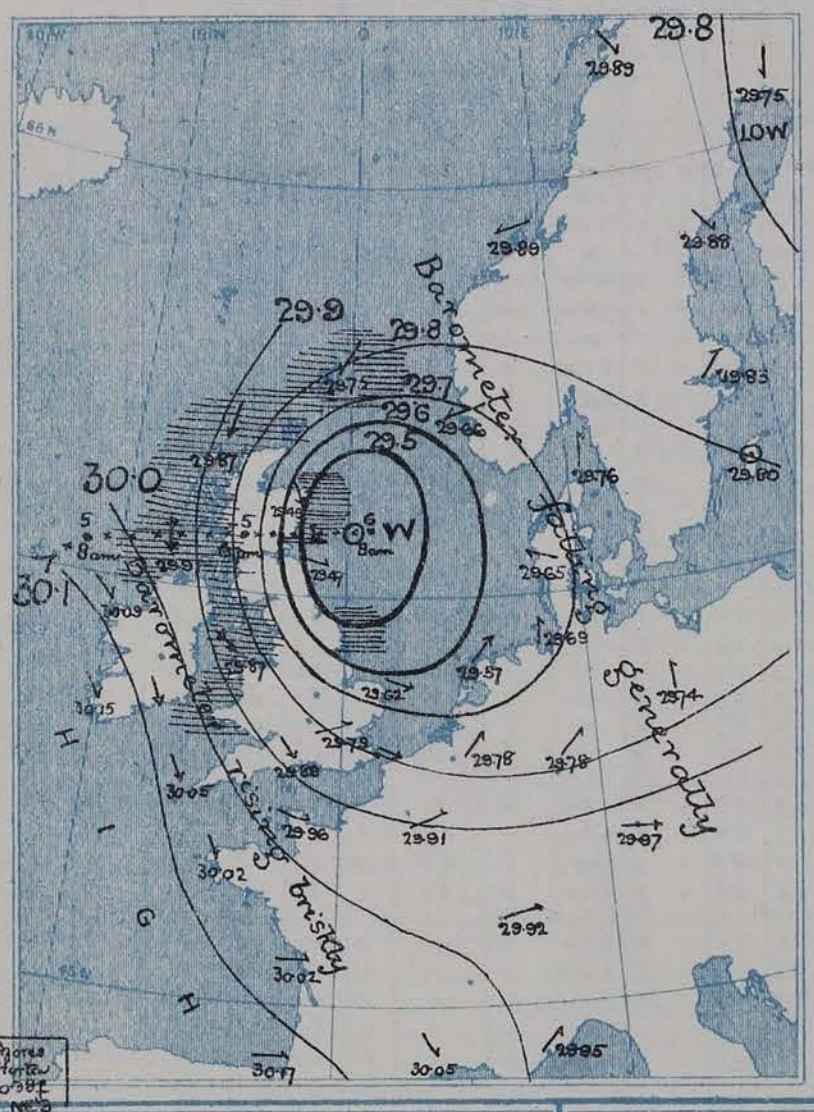
† *Observations received too late for insertion in Charts on next page.*

WEATHER CHARTS

FOR MONDAY, 6TH JULY, 1903.

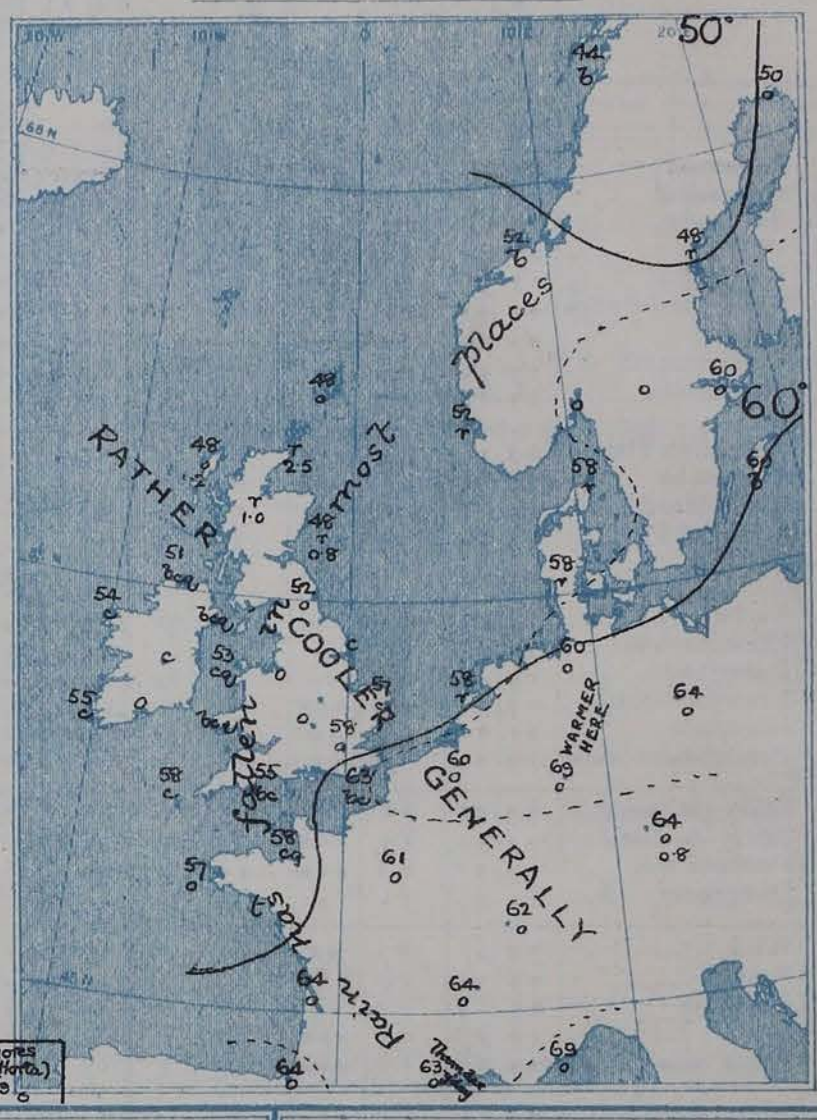
I. BAROMETER, WIND AND SEA. *This Morning.*

BAROMETER.—Isobars are drawn for each tenth of an inch.
WIND.—Arrows show Directions and Force, flying with the wind.
Force above 10 — *Force 8 to 10* — *Force 5 to 7* — *Force 1 to 4* — Calm ⊙
SEA.—Rough — *High*



II. TEMPERATURE AND WEATHER. *This Morning.*

TEMPERATURE.—Isotherms are drawn for each 10°.
WEATHER.—Shown by Letters of the Beaufort Scale. (See P. 4.)
RAINFALL.—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0·6



III BAROMETER AND WIND

Yesterday morning.

IV. GREATEST AND LEAST MONTHLY RAINFALL IN JULY

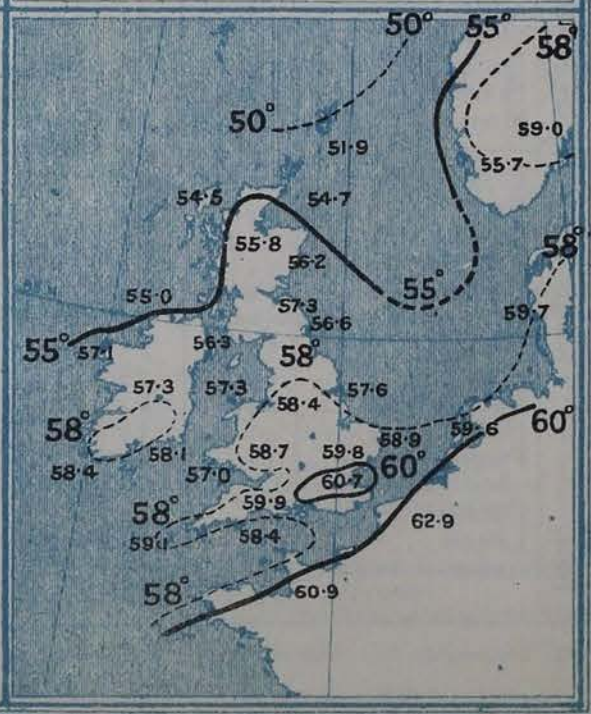
During the 32 Years 1871–1902.

Specimen (for LONDON) { *Greatest Rainfall* 5·94 (IN 1888); *Least Do* 0·51 (IN 1885)

V. *Means of* DAILY TEMPERATURE

at 8 A.M. for the Two monthly period

JUNE-JULY (1871-1900)



GENERAL SITUATION AT 8 A.M.

PRESSURE

Two separate areas of low pressure are shown on this morning's map (1) the system which passed along our northwestern coasts during the past two days now lies over Lapland, in it the lowest reading of the barometer is 29·36 ins. at Haparanda (2) a system which lay off the west coast of Ireland yesterday has moved northeastward and lies off the west coast of Scotland. At Malin Head the barometer stands at 29·56 ins. A wedge of relatively high pressure, over 29·9 ins., extends northward over the German Ocean separating these two regions of low pressure.

WIND

The wind over our Islands circulates round the western low pressure area; it is SW^{ly} or S^{ly} in the south, SE^{ly} or E^{ly} in Scotland. In intensity it is generally moderate, but it is fresh along the western coast of England and blows a moderate gale from the South at Malin Head. In Scandinavia fresh W^{ly} winds circulate round the depression in the east. Light winds are reported from most parts of France and Germany.

TEMPERATURE

The weather is dull over our Islands, steady rain is falling at many of the western and northern stations, and showers are reported from many places further east. Dull weather prevails in most parts of the continent. Temperature has fallen somewhat at most places in our islands, the readings now lie between 48° at Stornoway and 63° at Yarmouth. On the continent the changes have been small.

WEATHER AND SEA

The sea is moderate off the west coast of Ireland and at Pembroke and Holyhead, elsewhere it is smooth or slight.

During the past 24 hours considerable amounts of rain fell in Ireland (Valencia 0·51 in.) small amounts are also reported from Scotland and the extreme west of England. The amount of bright sunshine was again large at most English stations, but in Ireland it remained dull or cloudy most of the day. Temperature remained under 70° at most stations in the United Kingdom, in London it reached 71°. In the extreme north, the mercury remained below 60°.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

FORECASTS*

For the 24 hours ending at NOON on 6TH JULY 1903

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	None issued.	6 SCOTLAND WEST	None issued.
1 SCOTLAND EAST		7 ENGLAND N.W.	
2 ENGLAND N.E.		8 ENGLAND S.W.	
3 ENGLAND EAST		9 IRELAND NORTH	
4 MIDLAND COUNTIES		10 IRELAND SOUTH	
5 ENGLAND SOUTH		WARNINGS	None issued.

Note.—The **South Cone**, *point downwards* ( ), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the *North* Cone is hoisted in preference to the *South* Cone.

The **North Cone**, *point upwards* ( ), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the *South* Cone is hoisted in preference to the *North* Cone.

* *For terms for transmission of Forecasts by Telegraph, see next page*

ADDITIONAL OBSERVATIONS made at Stations in the UNITED KINGDOM.

TELEGRAPHIC REPORTS TO-DAY.	Yesterday 6 p.m.					This Morning 8 a.m.									Past 24 Hours.				
	Bar. Ins.	Temp. °	Wind Direc^n	Wind Force	Weather.	Barometer. Ins.	Barometer. Change	Temperature Dry.	Temperature Wet.	Temperature Change	Wind Direc^n	Wind Force	Weather.	Sea.	Temperature Max.	Temperature Min.	Weather	Sunshine. Hrs.	Rainfall Ins.
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	*	*	bc	*	70	56	b, c	11·5	—
Bath	30·07	59	W	1	b	29·97	−·19	59	53	−1	SW	2	b	*	68	54	—	10·5	—

REPORTS FOR YESTERDAY.

STATIONS.	Temperature F. Max. °	Temperature F. Min. °	Weather.	Sunshine Hrs	Rainfall. Ins.	STATIONS.	Temperature F. Max. °	Temperature F. Min. °	Weather.	Sunshine. Hrs.	Rainfall. Ins.
Southport, to 9 p.m.... ...	62	54	c, o	8·8	—	Eastbourne, to 6 p.m. ...	*	*	*		*
Rhyl to 6 pm	*	*	*		*	Hastings	*	*	*		*
Llandudno	*	*	*	10·4	*	Broadstairs	*	*	*	9·4	—
Aberystwyth, to 6 p.m. ...	62	55	bc	7·0	—	Lowestoft, to 6 p.m. Not rec^d.					
Plymouth, to 9 p.m.... ...	63	54	bc, or	8·6	0·05	Harrogate, to 6 p.m. ...	64	51	c, r, bc	9·3	0·05
Worthing	*	*	*	10·5	*	Manchester, to 9 p.m. ...	64	53	bc, o	6·5	—
Brighton	*	*	*		*	Darwen, to 9 p.m. Not rec^d					
						Birmingham, to 9 p.m. ..	64	49	c	7·0	—

TEMPERATURE, WEATHER, and RAINFALL at additional FOREIGN STATIONS, mainly for the 24 hours ended at 8 a.m. yesterday.

STATIONS. 4th July 1903.	Temperature, F. Max.	Temperature, F. Min.	Weather.	Rain. Ins.	STATIONS. Obsns. not received.	Temperature, F. Dry.	Temperature, F. Wet.	Weather.	Rain. Ins.
					3rd July 1903	1 p.m.		1 p.m.	Measured 7 a.m.
Marseilles	86	61	b, m	—	Geneva		*		
Utrecht...	70	55	c, c	—	Berne		*		
Copenhagen	72	55	o, b	—	Lucerne		*		
Prague	84	61	c, o	—	Coire		*		
Vienna	79	57	b, o	—	Castasegna		*		
Buda-Pesth	79	61	b, b	—	Lugano		*		
St. Petersburg	72	57	b, c	—					
Rome	87	64	b, b	—					
Malta	75	73	?, c	—					
Madeira (Funchal)	75	63	o, bc	—					

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

TABLE SHOWING THE LOCAL STANDARD TIMES AND THE CORRESPONDING GREENWICH TIMES OF THE OBSERVATIONS RECORDED ON PAGE 1.

COUNTRIES, &c.	Hours of Morning Observations by Local Standard Time.	Corresponding Greenwich Times.	Hours of Evening Observations by Local Standard.	Corresponding Greenwich Times.
British Isles, Belgium† ...	8 a.m. (West European)	8 a.m.	6 p.m. (W.E.T.)	6 p.m.
Holland	8 a.m. (,, ,,)	8 a.m.	7 p.m. (W.E.T.)	7 p.m.
Germany, Denmark, Norway, Sweden	8 a.m. (Mid-European)	7 a.m.	8 p.m. (M.E.T.)	7 p.m.
France	7 a.m. (Paris)	6.51 a.m.	6 p.m. (Paris)	5.51 p.m.
Spain	8 a.m. (West European)	8 a.m.	6 p.m. (W.E.T.)	6 p.m.
Portugal	8 a.m. (Lisbon)	8.36 a.m.	3.23 p.m. (Lisbon)	4 p.m.
Azores: Ponta Delgada	6 a.m. (Local)	7.43 a.m.	9 p.m. (Local)	10.43 p.m.
Azores: Horta	6 a.m. (Local)	7.55 a.m.	9 p.m. (Local)	10.55 p.m.

TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON, AND SUNSET, FOR STATIONS IN THE UNITED KINGDOM, TO-DAY.

5th July, 1903.	Sunrise G.M.T.	Noon G.M.T.	Sunset G.M.T.
Yarmouth	3.38	11.57	8.16
Greenwich	3.51	12.4	8.17
Wick	3.16	12.16	9.16
Valencia	4.29	12.45	9.1

SUBSCRIPTIONS both for the Daily *and* Weekly Weather Reports *may be paid, in advance, to the* Meteorological Office.

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FORECASTS OF WEATHER for one day in advance are drawn up at the Meteorological Office at 11 a.m., and between 7 and 8 p.m. The latest forecast can be had by Reply Telegram, on paying at any Post Office in the United Kingdom **Sixpence in addition to the cost of the inquiry and reply Telegrams.** Information as to the Terms on which Forecasts can be sent daily, for a long or short period, may be obtained on application to the Meteorological Office, 63, Victoria Street, S.W., either personally or by post.

† The evening observations in Belgium are not given on page 1.

‡ At Oxford the observations are taken at 8 p.m.

DAILY WEATHER REPORT

for 8 a.m. on Tuesday, 7th July, 1903.

Issued by the METEOROLOGICAL OFFICE, 63, Victoria Street, London. W. N. SHAW, *Secretary.*

	STATIONS.	YESTERDAY EVENING. (See note on last page.) Barom. At 32° and M.S.L. Ins.	Temp. Dry Bulb. °	Wind. Direc.	Wind. Force (0 to 12.)	Weather	THIS MORNING. (See note on last page.) Barometer. At 32° Fahr. and M.S.L. Ins.	Barometer. Change since Yesterday. Ins.	Temperature. Dry Bulb. °	Temperature. Wet Bulb. °	Temperature. Change since Yesterday. °	Wind. Direc.	Wind. Force (0 to 12.)	Weather.	Sea (0 to 9.)	PAST 24 HOURS. Temp. Max. °	Temp. Min. °	Weather	Sunshine. Hours.	Rainfall. Ins.
SCANDINAVIA.	Haparanda ...														*				*	
	Hernösand ...														*				*	
	Stockholm ...														*				*	
	Wisby														*				*	
	Karlstad														*	*	*		*	
	Færder (X'iania Fjord)	29.65	58	E	5	r	29.65	-.10	56	55	-2	ENE	6	r	2	59	55	-	*	0.51
	Bodö	29.96	47	W	2	b	30.01	+.12	47	44	+3	N	2	o	1	47	41	-	*	-
	Christiansund ...	29.87	49	N	8	bc	29.97	+.08	49	45	-1	N	6	o	4	50	46	-	*	-
	Skudesnaes ...	29.60	53	ENE	6	r	29.67	+.01	55	53	+3	NNE	4	o	2	57	52	c, r	*	*
BRITISH ISLANDS.	Sumburgh Head	29.86	49	NNE	5	c	30.03	+.28	48	44	0	NNE	5	o	6	52	44	o, c	*	-
	Stornoway ...	30.05	51	NNE	4	o	30.15	+.28	48	46	0	NNE	1	o	1	52	39	p, o	2.5	0.02
	Malin Head ...	30.08	51	N	6	c	30.16	+.25	52	48	+1	N	3	c	3	53	50	bo, c	*	-
	Blacksod Pt. ...	30.18	55	NNW	3	bc	30.18	+.09	55	54	+1	SE	2	c	3	57	45	bc	*	-
	Valencia	30.21	59	WNW	2	bc	30.22	+.07	56	55	+1	ESE	1	om	3	60	53	c, bc	8.0	-
	Roche's Point ...	30.16	61	NNW	4	bc	30.22	+.14	57	53	+2	N	1	o	0	63	53	c, bc	*	-
	Parsonstown ...	30.15	58	N	2	b	30.22	+.15	51	48	-3	NE	1	c	*	64	41	-	6.3	-
	Donaghadee ...	30.05	55	N	5	bc	30.17	+.31	53	50	0	N	3	c	3	61	44	-	*	-
	Liverpool Obsy.	29.94	54	WNW	8	bc	30.11	+.36	54	47	+2	NW	4	bc	5	57	50	-	*	-
	Holyhead ...	30.03	55	NW	7	b	30.17	+.30	54	49	+1	NNW	4	b	3	58	49	bcg, b	*	-
	Pembroke (St. Ann's)	30.08	58	NW	6	b	30.18	+.20	52	50	-1	NNW	4	bcv	2	58	47	-	8.7	-
	Scilly (St. Mary's)...	30.15	59	WNW	4	bc	30.22	+.17	59	57	+1	NW	3	cw	3	62	54	bc	12.7	-
	Jersey (St. Aubins)...	30.09	60	W	3	b	30.21	+.25	59	54	+1	WNW	4	bm	3	62	54	b	9.0	-
	Portland Bill ...	30.00	59	NW	6	bc	30.14	+.25	53	48	-2	NW	5	bc	4	60	51	bc	*	-
	Dungeness ...	29.87	64	NW	6	bc	30.04	+.28	55	48	-8	NW	6	bc	3	70	47	bc	8.4	-
	Wick	29.94	50	NNE	5	bc	30.08	+.36	48	46	0	N	4	o	3	53	44	-	*	0.01
	Nairn	29.96	51	NNE	4	bc	30.13	+.40	49	45	+3	N	3	o	2	56	45	-	*	0.12
	Aberdeen ...	29.85	51	NNW	6	bc	30.06	+.57	50	46	+2	NNW	4	cg	4	51	45	rg, bc	1.1	0.58
	Leith	29.90	55	NNW	3	b	30.09	+.48	53	47	+1	NW	1	c	*	58	45	-	*	-
	North Shields ...	29.77	51	NNW	6	c	30.01	+.54	50	46	-2	NNW	3	o	5	54	46	op, c	*	0.05
GERMANY, &c.	Spurn Head ...	29.68	53	WNW	9	c	29.92	+.41	52	49	-2	NW	7	cg	5	54	50	-	*	-
	Yarmouth ...	29.69	55	WNW	5	opg	29.88	+.26	51	49	-6	NW	6	o	5	57	47	cg, opg	*	0.11
	Nottingham ...														*					
	Oxford	29.98	55	NW	4	b	30.10	+.27	54	48	-1	NW	4	bc	*	63	47	-	*	-
	London (Brixton)...	29.89	61	NW	5	bc	30.05	+.26	54	49	-4	NW	4	o	*	66	47	b, bc	8.1	-
	The Scaw (Skagen)	29.54	58	ESE	5	r	29.58	-.18	58	56	0	E	3	m	1	61	57	-	*	0.32
	Fanö	29.48	54	SSW	5	o	29.45	-.20	54	53	-4	ESE	4	c	*	61	52	-	*	0.47
	Cuxhaven ...	29.60	59	WSW	5	o	29.44	-.26	55	53	-5	S	5	rg	*	63	52	-	*	0.39
	The Helder ...	29.54	54	W	9	o	29.66	+.09	55	53	-3	NW	8	r	8	61	52	-	*	0.35
	Brussels	*	*	*	*	*	29.95	+.17	51	46	-9	WNW	5	o	*	68	50	-	*	0.04
	Berlin	29.67	64	W	1	r	29.71	-.03	60	54	-4	SSW	5	b	*	77	55	-	*	0.16
	Frankfürt ...	29.76	63	E	3	o	29.86	+.08	55	50	-14	SW	4	o	*	73	52	-	*	0.67
	Munich	29.92	60	W	3	r	30.01	+.04	50	48	-14	W	5	c	*	75	50	-	*	0.51
FRANCE.	C. Gris Nez ...	29.88	61	WNW	5	o	29.99	+.22	53	50	-5	WNW	5	o	5	63	50	-	*	-
	Brest	30.20	58	N	4	bc	30.25	+.23	58	55	+1	NW	2	c	3	61	55	-	*	-
	Lorient	30.17	63	N	4	b	30.25	+.21	57	55	-2	NW	4	b	2	70	54	-	*	-
	Rochefort ...	30.10	65	NW	4	c	30.26	+.24	58	55	-6	WSW	3	bc	*	68	54	c	*	-
	Biarritz	30.22	65	W	3	o	30.30	+.13	64	62	0	NNW	4	b	3	66	61	-	*	0.04
	Paris	29.98	62	NW	5	bc	30.11	+.20	57	51	-4	NNW	4	b	*	70	48	-	*	-
	Belfort	29.89	61	WSW	6	o	30.04	+.12	50	47	-12	WSW	7	o	*	74	47	-	*	0.20
	Lyons	30.02	67	N	2	o	30.15	+.14	58	46	-11	N	2	c	*	77	51	-	*	0.04
	Nice	29.77	76	NW	1	bc	29.71	-.24	71	65	+2	Z	0	b	3	81	63	-	*	-
	Perpignan ...														*				*	
SPAN. PEN.	Corunna																		*	
	Lisbon														*				*	
	Azores (P. Delgada)																		*	
	" (Horta) ...	30.38	68	SSE	2	o	30.31	-.07	68	66	-1	WSW	1	o	1	77	66	-	*	-

NOTE: *The Sunshine for London given in this Table is recorded on the Tower of the Wesleyan Training College, Westminster: the Sunshine entered to Dungeness is recorded at Littlestone-on-Sea.*

* *Observations for this column not generally received.* † *Observations received too late for insertion in Charts on next page.*

WEATHER CHARTS

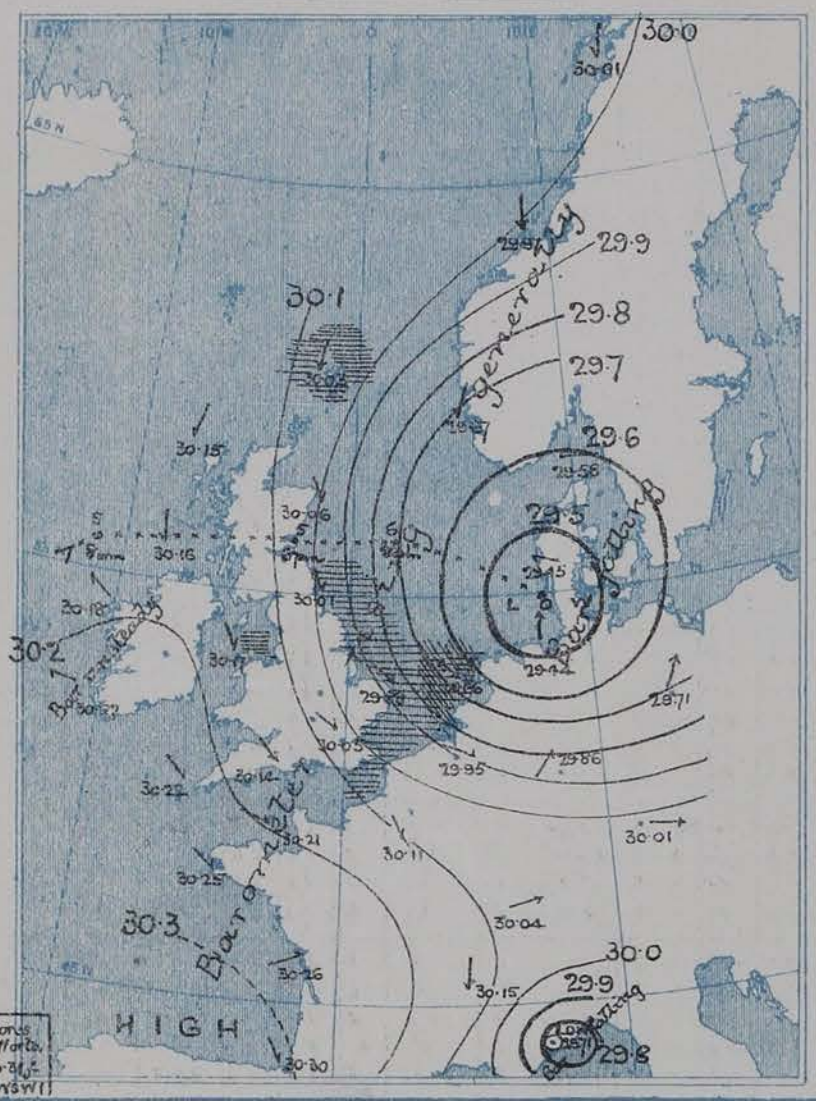
FOR TUESDAY, 7th JULY, 1903.

I. BAROMETER, WIND AND SEA. *This Morning.*

BAROMETER.—Isobars are drawn for each tenth of an inch.
WIND.—Arrows show Directions and Force, flying with the wind.

Force above 10 → *Force 5 to 7* → } Calm ⊙
Force 8 to 10 → *Force 1 to 4* → }

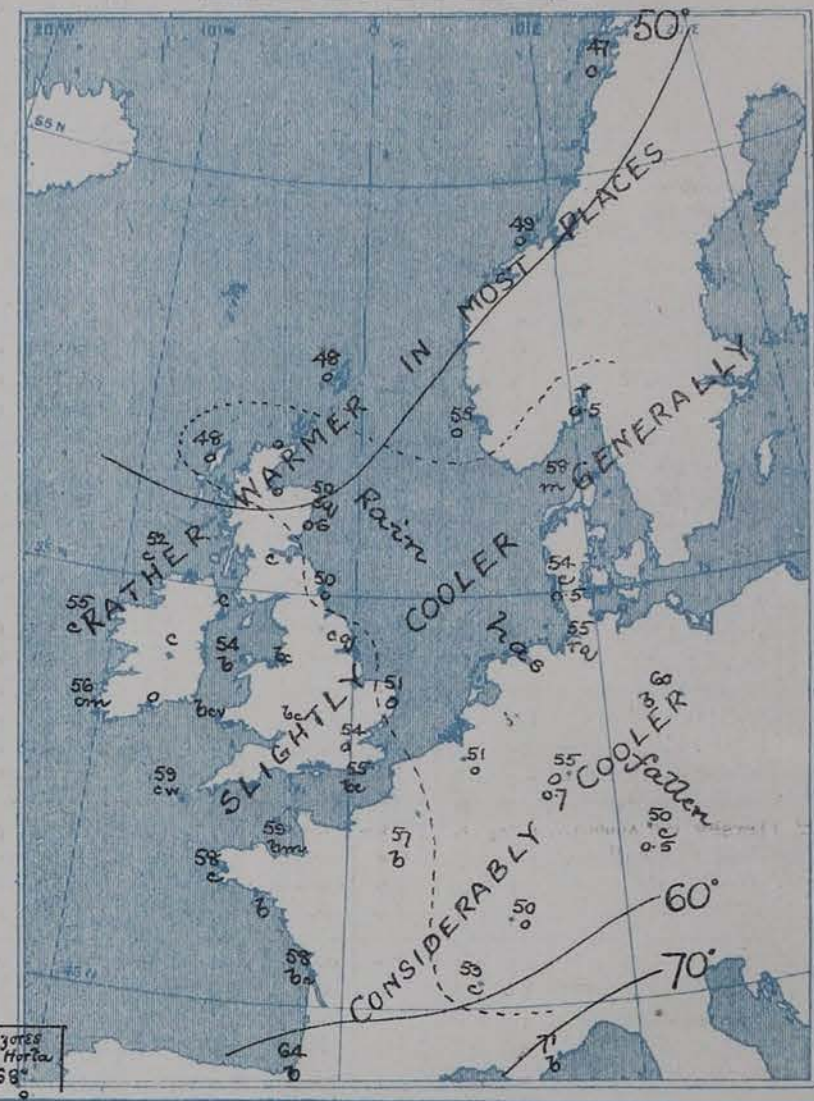
SEA.—Rough *High*



II. TEMPERATURE AND WEATHER. *This Morning.*

TEMPERATURE.—Isotherms are drawn for each 10°.
WEATHER.—Shown by Letters of the Beaufort Scale. *(See P. 4.)*

RAINFALL.—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus – 0·6



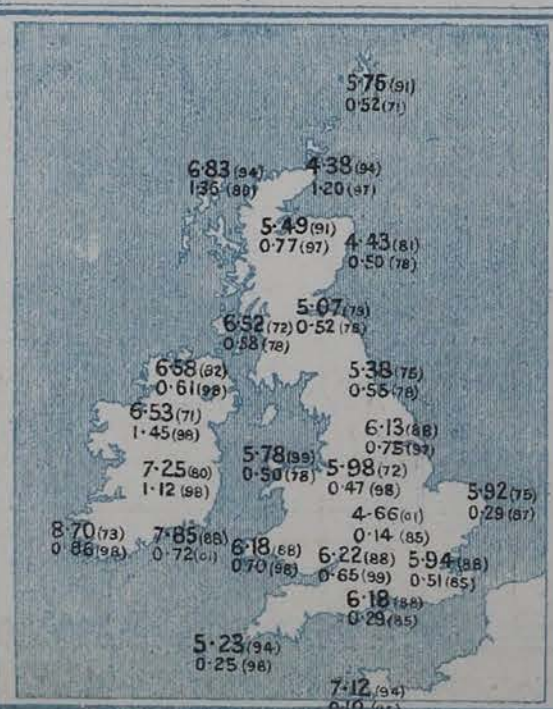
III BAROMETER AND WIND

Yesterday morning.

IV. GREATEST AND LEAST MONTHLY RAINFALL IN JULY

During the 32 Years 1871–1902.

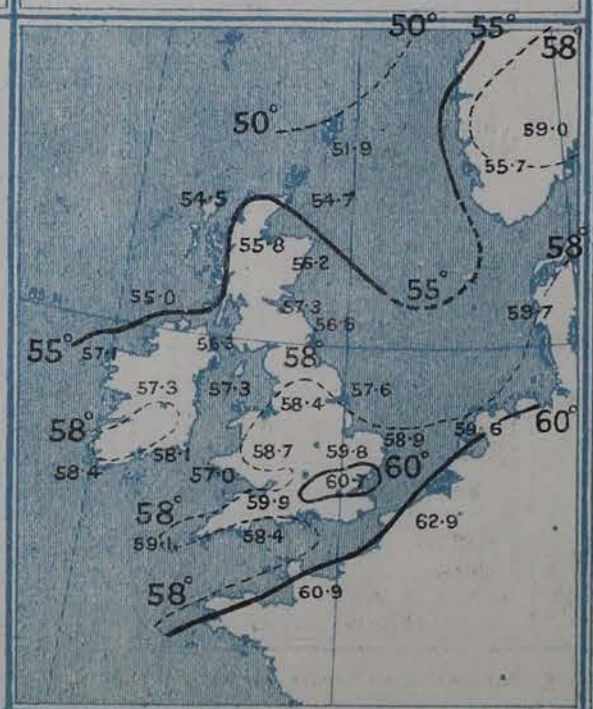
Specimen (for LONDON) { *Greatest Rainfall* 5·94 (IN 1888) / *Least Do* 0·51 (IN 1885)



V. *Means of* DAILY TEMPERATURE

at 8 A.M. for the Two monthly period

JUNE-JULY (1871-1900)



GENERAL SITUATION AT 8 A.M.

PRESSURE

The cyclonic disturbance which lay off the northwest of Ireland yesterday has travelled eastward across Scotland and is now passing over the North Sea. The lowest pressures, 29·5 ins. and less, being reported on our northeast coasts. In the rear of the depression the barometer is rising again in most parts of these Islands and France, but in Denmark, Germany, the Netherlands and the south of Scandinavia it is falling steadily. The highest pressures, 30·1 ins. and upwards, are found in an anticyclone which extends from the Atlantic over the southwest of Ireland, the Bay of Biscay and the southwest of France. Barometric gradients are rather steep over the northern and eastern parts of Great Britain.

WIND

The winds show a complete circulation round the disturbance over the North Sea, and on our own coasts the Northerly and Northwesterly breezes in the rear of the system are strong in force, with a gale in the Irish Sea and at Spurn Head. To the eastward of the storm centre the Southwesterly to Southeasterly winds are light or moderate in strength.

TEMPERATURE

Temperature has fallen in most places. Over the United Kingdom the readings are mostly below the average, and in the north of Scotland, where the thermometer is below 50°, the deficit amounts to between six and ten degrees. Readings below 55° are reported at most of our western stations but in the south and east of England the thermometer is above that point; and at Dungeness it stands at 63°.

WEATHER AND SEA

The weather is fair or fine over the greater part of England and Ireland but is dull over our northern and midland counties; rain is falling in the north and east of Scotland. At most of the continental stations the sky is overcast, with rain on the eastern and southern shores of the North Sea and also at Hernösand, thunder is reported at Lorient. The sea is high at Liverpool, and rough on our northwest, north and east coasts generally.

During yesterday the thermometer rose to 65° and upwards at most of the English stations and to 69° in London. On the northeast coasts of Scotland it did not exceed 55°, and at Stornoway it only rose to 49°. The amount of bright sunshine was everywhere small, the only report exceeding 2 hours being 5·5 hrs. at Jersey. Rain fell at all but a few of our eastern and southeastern stations. In the north of Scotland the amount was very large, — more than an inch at Stornoway and Nairn and as much as 2·5 ins. at Wick.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression over the North Sea will probably continue to move away in an E.ly or an ESE.ly direction, but in its rear shallow secondary disturbances are likely to be developed over Great Britain. Cool, changeable weather is therefore probable in most districts, with thunder in some parts of England.

FORECASTS*

For the 24 hours ending at NOON on 7TH JULY, 1903

DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH 1 SCOTLAND EAST	N.ly winds, strong to a gale at first, but moderating later; dull and rainy, then fair.
2 ENGLAND N.E. 3 ENGLAND EAST	NW.ly winds, strong, a gale in places; squally, some showers. Thunder locally.
4 MIDLAND COUNTIES 5 ENGLAND SOUTH	NW.ly winds, strong and gusty; changeable, some showers. Thunder locally.
6 SCOTLAND WEST	N.ly winds, strong at first, but moderating later; fair generally, but local showers.
7 ENGLAND N.W. 8 ENGLAND S.W.	NW.ly winds, strong; fair generally, but local thundershowers.
9 IRELAND NORTH 10 IRELAND SOUTH	NW.ly winds, backing later; fair generally.
WARNINGS	At 7·25 p.m. yesterday to District 7 and parts of 0, 8 and 9; and at 9·45 a.m. today to Districts 1, 2 and 3, "Hoist North Cone."

Note.—The **South Cone**, *point downwards* ( ), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the *North* Cone is hoisted in preference to the *South* Cone.

The **North Cone**, *point upwards* ( ), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the *South* Cone is hoisted in preference to the *North* Cone.

* *For terms for transmission of Forecasts by Telegraph, see next page.*

ADDITIONAL OBSERVATIONS made at Stations in the UNITED KINGDOM.

TELEGRAPHIC REPORTS TO-DAY.	Yesterday 6 p.m.					This Morning 8 a.m.									Past 24 Hours.				
	Bar. Ins.	Temp. °	Wind Direc^n	Wind Force	Weather.	Barometer. Ins.	Barometer. Change.	Temperature Dry.	Temperature Wet.	Temperature Change	Wind Direc^n	Wind Force	Weather.	Sea.	Temperature Max.	Temperature Min.	Weather	Sunshine. Hrs.	Rainfall Ins.
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	*	*	c	*	63	55	c	2·0	-
Bath	29.83	60	w	3	b	29·86	- ·11	56	49	- 3	w	5	b	*	66	53	-	1·9	-

REPORTS FOR YESTERDAY.

STATIONS.	Temperature F. Max.	Temperature F. Min.	Weather.	Sunshine Hrs.	Rainfall. Ins.	STATIONS.	Temperature F. Max.	Temperature F. Min.	Weather.	Sunshine. Hrs.	Rainfall. Ins.
Southport, to 9 p.m.... ...	? 63	53	o	0·0	0·07	Eastbourne, to 6 p.m. ...	*	*	*	0·6	*
Rhyl to 6 pm	*	*	*	1·5	*	Hastings	*	*	*	0·7	*
Llandudno to 6 p.m.	*	*	*	0·5	*	Broadstairs	*	*	*	1·3	
Aberystwyth, to 6 p.m. ...	60	54	o	-	0·08	Lowestoft, to 6 p.m.... ...					
Plymouth, to 9 p.m.... ...						Harrogate, to 6 p.m. ...	65	51	b, o, c, o	0·3	0·02
Worthing	*	*	*	1·1	*	Manchester, to 9 p.m. ...	63	53	o, op	0·0	0·06
Brighton	*	*	*	0·9	*	Darwen, to 9 p.m.					
						Birmingham, to 9 p.m. ...	63	51	c, o, p, o	0·8	0·03

TEMPERATURE, WEATHER, and RAINFALL at additional FOREIGN STATIONS, mainly for the 24 hours ended at 8 a.m. yesterday.

STATIONS. 5th July 1903.	Temperature, F. Max.	Temperature, F. Min.	Weather.	Rain. Ins.	STATIONS. 4th July 1903	Temperature, F. Dry. (1 p.m.)	Temperature, F. Wet.	Weather. (1 p.m.)	Rain. Ins. (Measured 7 a.m.)
Obs^ns not received.					Geneva	81	*	bc	—
Marseilles					Berne	73	*	c	0·04
Utrecht...					Lucerne	70	*	o	0·35
Copenhagen					Coire	75	*	b	—
Prague					Castasegna	79	*	b	0·16
Vienna					Lugano	86	*	b	0·12
Buda-Pesth									
St. Petersburg									
Rome									
Malta									
Madeira (Funchal)									

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER,—*Beaufort Scale* is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

TABLE SHOWING THE LOCAL STANDARD TIMES AND THE CORRESPONDING GREENWICH TIMES OF THE OBSERVATIONS RECORDED ON PAGE 1.

COUNTRIES, &c.	Hours of Morning Observations by Local Standard Time.	Corresponding Greenwich Times.	Hours of Evening Observations by Local Standard.	Corresponding Greenwich Times.
British Isles, Belgium† ...	8 a.m. (West European)	8 a.m.	6 p.m. (W.E.T.)	6 p.m.
Holland	8 a.m. (,, ,,)	8 a.m.	7 p.m. (W.E.T.)	7 p.m.
Germany, Denmark, Norway, Sweden	8 a.m. (Mid-European)	7 a.m.	8 p.m. (M.E.T.)	7 p.m.
France	7 a.m. (Paris)	6.51 a.m.	6 p.m. (Paris)	5.51 p.m.
Spain	8 a.m. (West European)	8 a.m.	6 p.m. (W.E.T.)	6 p.m.
Portugal	8 a.m. (Lisbon)	8.36 a.m.	3.23 p.m. (Lisbon)	4 p.m.
Azores { Ponta Delgada	6 a.m. (Local)	7.43 a.m.	9 p.m. (Local)	10.43 p.m.
Azores { Horta	6 a.m. (Local)	7.55 a.m.	9 p.m. (Local)	10.55 p.m.

TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON, AND SUNSET, FOR STATIONS IN THE UNITED KINGDOM, TO-DAY.

6th July, 1903.	Sunrise G.M.T.	Noon G.M.T.	Sunset G.M.T.
Yarmouth	3.39	11.58	8.16
Greenwich	3.52	12.5	8.16
Wick	3.18	12.17	9.15
Valencia	4.30	12.46	9.0

SUBSCRIPTIONS both for the Daily *and* Weekly Weather Reports *may be paid, in advance, to the* Meteorological Office.

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FORECASTS OF WEATHER for one day in advance are drawn up at the Meteorological Office at 11 a.m., and between 7 and 8 p.m. The latest forecast can be had by Reply Telegram, on paying at any Post Office in the United Kingdom **Sixpence in addition to the cost of the inquiry and reply Telegrams.** Information as to the Terms on which Forecasts can be sent daily, for a long or short period, may be obtained on application to the Meteorological Office, 63, Victoria Street, S.W., either personally or by post.

† The evening observations in Belgium are not given on page 1.

‡ At Oxford the observations are taken at 8 p.m.

DAILY WEATHER REPORT

for 8 a.m. on Wednesday, 8th July, **1903.**

Issued by the METEOROLOGICAL OFFICE, 63, Victoria Street, London. **W. N. SHAW,** *Secretary.*

	STATIONS.	YESTERDAY EVENING. (See note on last page.) Barom. At 32° and M.S.L. Ins.	Temp. Dry Bulb. °	Wind. Direc.	Wind. Force (0 to 12.)	Weather	THIS MORNING. (See note on last page.) Barometer. At 32° Fahr. and M. S. L. Ins.	Barometer. Change since Yesterday. Ins.	Temperature. Dry Bulb. °	Temperature. Wet Bulb. °	Temperature. Change since Yesterday. °	Wind. Direc.	Wind. Force (0 to 12.)	Weather.	Sea (0 to 9.)	PAST 24 HOURS. Temp. Max. °	Temp. Min. °	Weather	Sunshine. Hours.	Rainfall. Ins.
SCANDINAVIA.	Haparanda ...	30·09	53	NE	2	b	30·12	+·16	57	50	+3	N	2	b	*	63	48	-	*	-
	Hernösand ...	30·01	55	x	0	0	30·03	+·11	50	49	-5	N	2	r	*	63	49	-	*	0·12
	Stockholm ...	29·76	?57	E	2	b	29·78	+·05	59	59	0	ENE	2	r	*	61	54	-	*	0·28
	Wisby	29·72	60	x	0	0	29·78	+·16	57	55	-4	x	0	0	*	70	57	-	*	-
	Karlstad	29·77	54	ENE	4	0	29·83	+·07	55	54	0	N	4	0	*	*	*	-	*	0·51
	Færder (X'iania Fjord)	29·78	54	NE	6	r	29·86	+·21	56	54	0	N	5	0	2	56	54	-	*	1·54
	Bodö	30·14	48	N	4	b	30·15	+·14	48	43	+1	N	2	b	1	48	45	-	*	-
	Christiansund ...	30·06	49	N	2	r	30·01	+·04	51	47	+2	N	8	b	4	54	46	-	*	-
	Skudesnaes ...	29·84	57	N	4	0	29·92	+·25	56	54	+1	NNW	4	b	2	63	52	0	*	*
BRITISH ISLANDS.	Sumburgh Head	30·09	50	N	5	c	30·06	+·03	48	45	0	NW	2	0	4	54	44	c	*	-
	Stornoway ...	30·18	55	ESE	2	bc	30·04	-·11	50	50	+2	SSW	4	r	4	58	45	c,bc	5·8	0·22
	Malin Head ...	30·20	55	E	2	bc	30·15	-·01	56	56	+4	W	5	rf	4	58	50	bc	*	0·01
	Blacksod Pt. ...	30·26	59	WNW	4	bc	30·27	+·09	58	58	+3	W	5	f	4	60	54	c,bc	*	0·01
	Valencia	30·30	60	NW	3	0	30·37	+·15	60	59	+4	x	0	omp	2	62	55	0	0·8	0·03
	Roche's Point ...	30·25	61	N	1	c	30·33	+·11	61	59	+4	S	1	0	0	63	56	o,c	*	-
	Parsonstown ...	30·23	62	NE	1	0	30·29	+·07	62	60	+11	WSW	1	0	*	64	51	-	0·1	-
	Donaghadee ...	30·22	55	NE	3	bc	30·21	+·04	58	57	+5	SW	2	0	3	58	50	-	*	-
	Liverpool Obsy.	30·20	55	WNW	4	b	30·24	+·13	55	54	+1	W	3	0	3	58	51	-	*	-
	Holyhead ...	30·22	55	NW	1	b	30·25	+·08	57	56	+3	W	2	odp	2	58	49	b	*	-
	Pembroke (St. Ann's)	30·23	57	WNW	3	bc	30·29	+·11	58	57	+6	NW	2	ogm	3	58	51	-	9·6	-
	Scilly (St. Mary's)...	30·25	60	NW	2	0	30·34	+·12	60	57	+1	NW	2	c	2	61	56	om,o	2·8	-
	Jersey (St. Aubins)...	30·22	60	W	4	bm	30·31	+·10	62	56	+3	NE	3	bm	3	63	53	bc,bm	14·7	-
	Portland Bill ...	30·16	62	NNW	4	bc	30·28	+·14	57	53	+4	WNW	3	b	2	63	50	bc	*	-
	Dungeness ...	30·10	62	NNE	3	bc	30·23	+·19	56	50	+1	NNW	3	bc	1	66	42	c,bc	12·9	-
	Wick	30·18	50	N	3	bc	30·07	-·01	48	47	0	W	1	r	1	53	39	-	*	0·03
	Nairn	30·18	53	ENE	1	bc	30·09	-·04	48	47	-1	x	0	r	1	58	37	-	*	0·10
	Aberdeen ...	30·16	51	NNW	4	bc	30·13	+·07	48	46	-2	S	2	om	2	54	38	bcg,bc	7·1	-
	Leith	30·13	57	ENE	2	b	30·15	+·06	51	48	-2	WSW	1	dm	*	64	41	-	*	-
	North Shields ...	30·15	53	N	3	b	30·16	+·15	53	50	+3	SW	2	ou	4	55	45	c,b	*	-
	Spurn Head ...	30·12	52	N	7	c	30·19	+·27	52	50	0	NW	3	b	4	55	47	-	*	-
	Yarmouth ...	30·02	52	NW	6	bcgg	30·14	+·26	54	48	+3	NNW	5	bc	4	55	45	cgg	*	-
	Nottingham ...														*					
	Oxford	30·18	56	NW	2	b	30·27	+·17	57	52	+3	W	2	b	*	65	44	-	*	-
	London (Brixton)...	30·10	64	WNW	3	bc	30·24	+·19	56	51	+2	WNW	2	b	*	66	45	bc,b	10·0	-
GERMANY, &c.	The Scaw (Skagen)	29·73	59	NNE	1	c	29·81	+·23	58	57	0	NNE	1	0	0	64	57	-	*	-
	Fanö	29·71	54	N	3	b	29·85	+·40	57	56	+3	N	2	b	*	66	52	-	*	0·04
	Cuxhaven ...	29·57	59	WNW	4	0	29·82	+·38	59	57	+4	N	4	bc	*	61	55	org	*	0·63
	The Helder ...	29·88	55	NNW	7	r	30·02	+·36	54	51	-1	NNW	6	0	6	55	54	-	*	0·16
	Brussels	*	*	*	*	*	30·14	+·19	53	49	+2	NW	4	r	*	53	47	-	*	0·08
	Berlin	29·77	57	SW	4	0	29·80	+·09	58	54	-2	SW	3	0	*	64	54	-	*	-
	Frankfürt ...	29·94	52	S	4	0	29·95	+·09	54	50	-1	W	4	0	*	59	50	-	*	-
	Munich	30·06	51	W	6	0	30·05	+·04	46	46	-4	W	6	r	*	61	45	-	*	0·16
FRANCE.	C. Gris Nez ...	30·10	58	NE	4	b	30·20	+·21	53	49	0	NNE	4	b	4	64	50	-	*	-
	Brest	30·29	60	N	2	0	30·34	+·09	57	55	-1	N	2	b	1	66	54	-	*	-
	Lorient	30·24	63	WNW	5	bc	30·36	+·11	55	54	-2	N	3	b	2	66	54	-	*	-
	Rochefort ...	30·21	64	NW	4	bc	?30·32	+·06	59	55	+1	NE	3	b	*	66	54	bc	*	-
	Biarritz	30·32	65	NNW	3	b	30·32	+·02	65	62	+1	x	0	bc	0	68	61	-	*	-
	Paris	30·14	61	N	3	b	30·25	+·14	57	50	0	N	4	b	*	70	46	-	*	-
	Belfort	30·04	56	WSW	4	c	30·13	+·09	50	46	0	WSW	4	0	*	61	49	-	*	0·04
	Lyons	30·13	63	NNW	2	bc	30·21	+·06	54	46	+1	N	2	b	*	67	50	-	*	-
	Nice	29·69	73	SE	1	b	29·87	+·16	67	55	-4	NNW	1	b	1	79	61	-	*	-
	Perpignan ...	30·06	72	NW	4	0	30·17	+·07	64	55	-2	W	3	b	*	76	59	-	*	-
SPAN. PEN.	Corunña																		*	
	Lisbon	29·98	82	N	4	b	29·97	-·07	78	63	+4	NNW	5	b	*	93	?	-	*	-
	Azores (P. Delgada)																		*	
	" (Horta) ...	30·27	69	SSE	3	0	30·24	-·07	69	66	+1	x	0	b	1	73	64	-	*	-

NOTE: *The Sunshine for London given in this Table is recorded on the Tower of the Wesleyan Training College, Westminster: the Sunshine entered to Dungeness is recorded at Littlestone-on-Sea.*

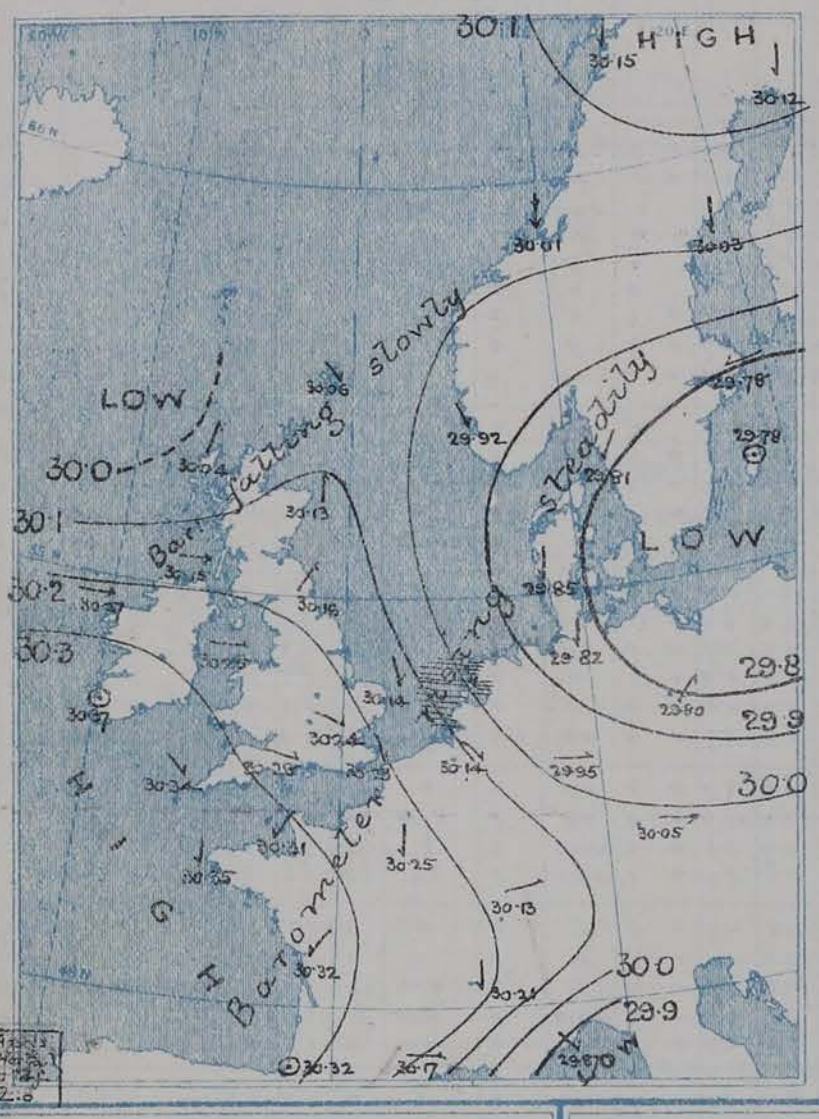
* *Observations for this column not generally received.* † *Observations received too late for insertion in Charts on next page.*

WEATHER CHARTS

FOR WEDNESDAY, 8TH JULY, 1903.

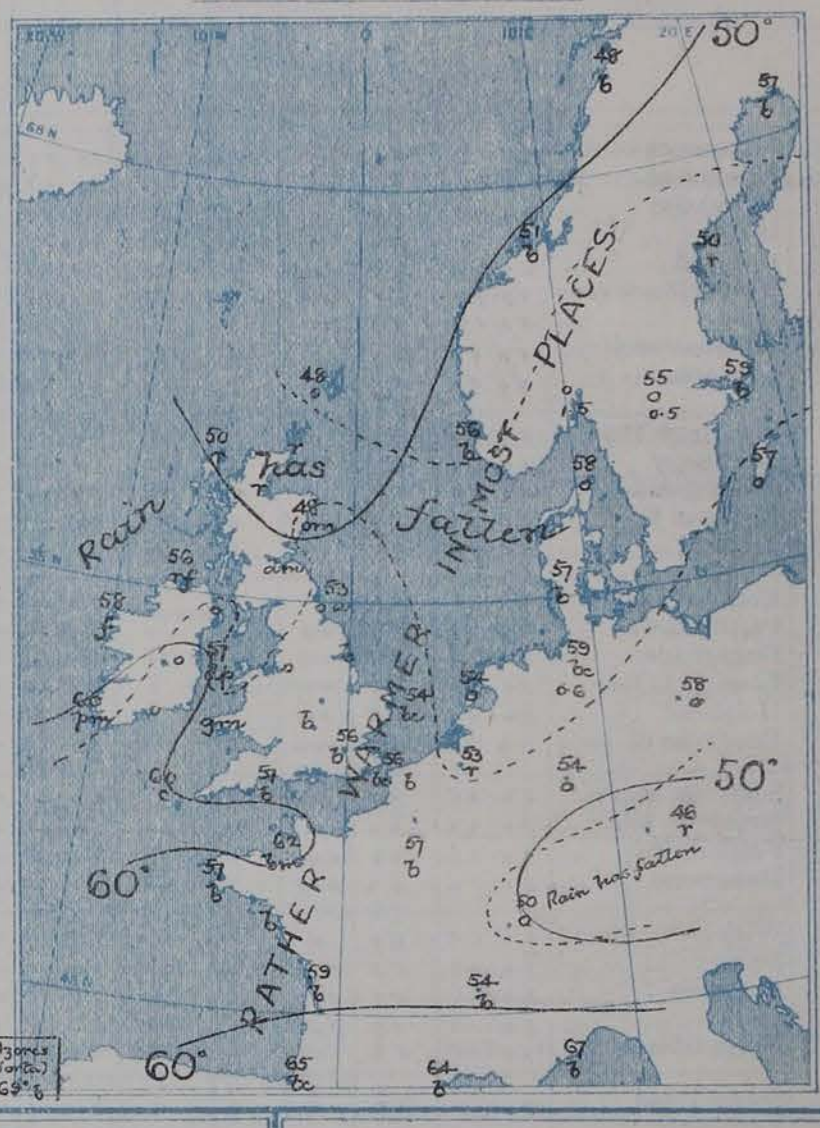
I. BAROMETER, WIND AND SEA. *This Morning.*

BAROMETER.—Isobars are drawn for each tenth of an inch.
WIND.—Arrows show Directions and Force, flying with the wind.
Force above 10 ⟶ : *Force 5 to 7* ⟶ ; *Force 8 to 10* ⟶ ; *Force 1 to 4* ⟶ } Calm ⊙
SEA.—Rough ▒ *High* ▓



II. TEMPERATURE AND WEATHER. *This Morning.*

TEMPERATURE.—Isotherms are drawn for each 10°.
WEATHER.—Shown by Letters of the Beaufort Scale. *(See P. 4.)*
RAINFALL.—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0·6



III BAROMETER AND WIND

Yesterday morning.

IV. GREATEST AND LEAST MONTHLY RAINFALL IN JULY

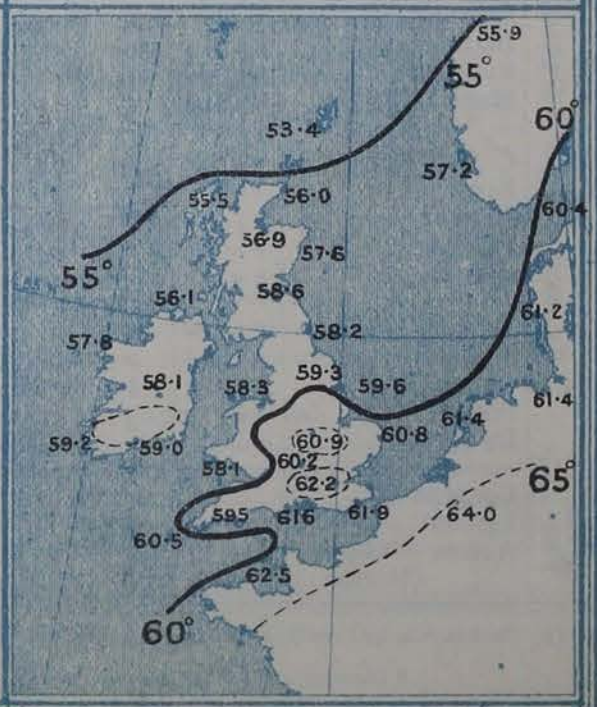
During the 32 Years 1871–1902.

Specimen (for LONDON) { *Greatest Rainfall* 5·94 (in 1888) ; *Least Do* 0·51 (in 1885)

V. *Means of* DAILY TEMPERATURE

at 8 A.M. for the Monthly period

JULY. (1871–1900.)



GENERAL SITUATION AT 8 A.M.

PRESSURE

The depression noticed yesterday over the North Sea has moved slowly in an east-southeasterly direction, its centre being now near the coasts of Holstein. The minimum pressures are still below 29.5 ins. and the barometric gradient over the North Sea, Germany and the Netherlands is rather steep. An anticyclone, with pressures exceeding 30.2 ins., extends from the Atlantic over the south of Ireland, the Bay of Biscay and the west of France, and over the greater part of Western Europe the mercury is at present rising. In the west of Ireland, however, it has begun to fall again. In addition to the depression over the North Sea another disturbance, in which the barometer is below 29.8 ins., is reported over the Gulf of Genoa.

WIND

The wind still circulates round the North Sea disturbance, being Northerly or Northwesterly over Great Britain and France (strong in force on our east coasts) and Southwesterly in Germany, but Easterly in Denmark and Northeasterly in the south of Norway. In the west of Ireland it has shifted to the Southeastward, but is at present light in force.

TEMPERATURE

Temperature has risen slightly at several of our own western and northern stations, but has fallen in most other parts of our area. The thermometer is now below its average level over Western Europe generally, the morning readings being below 55° in all but the extreme southwestern parts of the United Kingdom and below 50° in the North of Scotland as well as in the west of Norway. Readings below 55° are reported also over Belgium, South Germany and Central France, the thermometer at Belfort and Munich being as low as 50°.

WEATHER AND SEA

The weather is fair or fine over Western Europe as a whole, but is dull in the south of Ireland and the north of Scotland; rain is falling at Faerder, Cuxhaven and the Helder. The sea is rough in the North Sea (very high at the Helder) and rather rough at Liverpool, but slight or smooth elsewhere.

The maximum temperatures registered yesterday were below 55° at many of our own northern stations; in London, however, the thermometer rose to 66°, and at Dungeness to 70°. The amount of Bright Sunshine was small in the northern, but fairly large in the southern parts of the Kingdom, the longest duration reported being 12.7 hrs. at Scilly. Rain fell at most of our northern and eastern stations as well as in Denmark, Germany, the Netherlands and Central France.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The North Sea depression will probably continue to move away to the eastward and the strong NW^ly winds on our east coast will shortly subside. The changes in pressure and wind in the west of Ireland point to the advance of another disturbance from the Atlantic so that on our W^n and N^n coasts the wind is likely to back to the Southward, with a renewal of unsettled rainy weather.

FORECASTS*

For the 24 hours ending at NOON on 8th JULY, 1903

DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH 1 SCOTLAND EAST	N^ly winds, shifting later to S. or S.E.; fair today, becoming unsettled tomorrow, probably some rain.
2 ENGLAND N.E. 3 ENGLAND EAST 4 MIDLAND COUNTIES	Same as No. 5.
5 ENGLAND SOUTH	NW^ly to W^ly or SW^ly winds, moderate; fair, cool.
6 SCOTLAND WEST 7 ENGLAND N.W.	Wind shifting to the S^wd or SE^wd; fair at first, some rain later.
8 ENGLAND S.W.	Wind backing to the SW^wd or S^wd; fair at first, some rain later.
9 IRELAND NORTH 10 IRELAND SOUTH	S^ly and SE^ly winds, freshening; dull, some rain.
WARNINGS	At 9.45 a.m. today to Districts 1, 2, 3, 7, and parts of 0, 8 and 9; "Lower Cone".

Note.—The **South Cone**, *point downwards* (▼), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the *North* Cone is hoisted in preference to the *South* Cone.

The **North Cone**, *point upwards* (▲), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the *South* Cone is hoisted in preference to the *North* Cone.

* *For terms for transmission of Forecasts by Telegraph, see next page.*

ADDITIONAL OBSERVATIONS made at Stations in the UNITED KINGDOM.

TELEGRAPHIC REPORTS TO-DAY.	Yesterday 6 p.m.					This Morning 8 a.m.									Past 24 Hours.				
	Bar. Ins.	Temp. °	Wind Direc^n	Wind Force	Weather.	Barometer. Ins.	Barometer. Change.	Temperature Dry.	Temperature Wet.	Temperature Change	Wind Direc^n	Wind Force	Weather.	Sea.	Temperature Max.	Temperature Min.	Weather	Sunshine. Hrs.	Rainfall Ins.
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	*	*	bc	*	63	48	bc, b	7.7	-
Bath	29.99	59	W	2	b	30.14	+ .28	53	47	− 3	W	2	b	*	62	45	–	10.4	-

REPORTS FOR YESTERDAY.

STATIONS.	Temperature F. Max.	Temperature F. Min.	Weather.	Sunshine Hrs.	Rainfall. Ins.	STATIONS.	Temperature F. Max.	Temperature F. Min.	Weather.	Sunshine. Hrs.	Rainfall. Ins.
	°	°					°	°			
Southport, to 9 p.m.... ...	58	51	op, c	8.3	0.10	Eastbourne, to 6 p.m. ...	*	*	*	9.3	*
Rhyl to 6 pm	*	*	*	4.5	*	Hastings	*	*	*	9.7	*
Llandudno to 6 p.m.	*	*	*	7.8	*	Broadstairs	*	*	*	8.3	-
Aberystwyth, to 6 p.m. ...	61	53	c	8.0	0.06	Lowestoft, to 6 p.m.... ...	60	51	o, c, p, o	2.5	–
Plymouth, to 9 p.m.... ...	61	53	p, bog	10.7	0.02	Harrogate, to 6 p.m. ...	60	49	or, c	4.3	0.09
Worthing	*	*	*	9.5	*	Manchester, to 9 p.m. ...	58	50	o, or, bc	0.9	0.09
Brighton	*	*	*	9.0	*	Darwen, to 9 p.m.	56	46	or, op, cu	0.6	0.27
						Birmingham, to 9 p.m. ...	58	51	o, c	3.0	-

TEMPERATURE, WEATHER, and RAINFALL at additional FOREIGN STATIONS, mainly for the 24 hours ended at 8 a.m. yesterday.

STATIONS. 6th July, 1903.	Temperature, F. Max.	Temperature, F. Min.	Weather.	Rain. Ins.	STATIONS. Obsns. not received. 5th July, 1903	Temperature, F. Dry. 1 p.m.	Temperature, F. Wet.	Weather. 1 p.m.	Rain. Ins. Measured 7 a.m.
Marseilles	82	64	o, o	–	Geneva		*		
Utrecht...	72	57	o, r	0.04	Berne		*		
Copenhagen	66	57	o, r	0.08	Lucerne		*		
Prague	79	59	o, o	–	Coire		*		
Vienna	79	63	c, c	–	Castasegna		*		
Buda-Pesth	88	64	b, c	–	Lugano		*		
St. Petersburg	72	? 48	c, c	0.08					
Rome	85	66	b, b	–					
Malta	84	69	?, b	–					
Madeira (Funchal)	75	59	b, b	–					

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER,—*Beaufort Scale* is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

TABLE SHOWING THE LOCAL STANDARD TIMES AND THE CORRESPONDING GREENWICH TIMES OF THE OBSERVATIONS RECORDED ON PAGE 1.

COUNTRIES, &c.	Hours of Morning Observations by Local Standard Time.	Corresponding Greenwich Times.	Hours of Evening Observations by Local Standard.	Corresponding Greenwich Times.
British Isles, Belgium† ...	8 a.m. (West European)	8 a.m.	6 p.m. (W.E.T.)	6 p.m.
Holland	8 a.m. („ „)	8 a.m.	7 p.m. (W.E.T.)	7 p.m.
Germany, Denmark, Norway, Sweden	8 a.m. (Mid-European)	7 a.m.	8 p.m. (M.E.T.)	7 p.m.
France	7 a.m. (Paris)	6.51 a.m.	6 p.m. (Paris)	5.51 p.m.
Spain	8 a.m. (West European)	8 a.m.	6 p.m. (W.E.T.)	6 p.m.
Portugal	8 a.m. (Lisbon)	8.36 a.m.	3.23 p.m. (Lisbon)	4 p.m.
Azores { Ponta Delgada	6 a.m. (Local)	7.43 a.m.	9 p.m. (Local)	10.43 p.m.
Azores { Horta	6 a.m. (Local)	7.55 a.m.	9 p.m. (Local)	10.55 p.m.

TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON, AND SUNSET, FOR STATIONS IN THE UNITED KINGDOM, TO-DAY.

7th July, 1903.	Sunrise G.M.T.	Noon G.M.T.	Sunset G.M.T.
Yarmouth	3.40	11.58	8.15
Greenwich	3.53	12.5	8.16
Wick	3.19	12.17	9.14
Valencia	4.31	12.46	9.0

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† The evening observations in Belgium are not given on page 1.

‡ At Oxford the observations are taken at 8 p.m.

DAILY WEATHER REPORT

for 8 a.m. on Thursday, 9th July, 1903.

Issued by the METEOROLOGICAL OFFICE, 63, Victoria Street, London. W. N. SHAW, *Secretary.*

	STATIONS.	YESTERDAY EVENING. (See note on last page.) Barom. At 32° and M.S.L. Ins.	Temp. Dry Bulb. °	Wind. Direc.	Wind. Force (0 to 12.)	Weather	THIS MORNING. (See note on last page.) Barometer. At 32° Fahr. and M. S. L. Ins.	Barometer. Change since Yesterday. Ins.	Temperature. Dry Bulb. °	Temperature. Wet Bulb. °	Temperature. Change since Yesterday. °	Wind. Direc.	Wind. Force (0 to 12.)	Weather.	Sea (0 to 9.)	PAST 24 HOURS. Temp. Max. °	Temp. Min. °	Weather	Sunshine. Hours.	Rainfall. Ins.
SCANDINAVIA.	Haparanda ...	30·10	55	NE	2	c	30·29	+·17	60	50	+ 3	SW	2	b	*	66	46	–	*	–
	Hernösand ...	30·03	50	NE	4	r	29·93	–·10	51	50	+ 1	N	2	r	*	55	48	–	*	0·95
	Stockholm ...	29·89	61	Z	0	0	29·89	+·11	56	55	– 3	W	4	0	*	63	55	–	*	–
	Wisby	29·89	60	Z	0	b	29·92	+·14	62	58	+ 5	Z	0	bc	*	63	54	–	*	–
	Karlstad	29·93	58	Z	0	r	29·94	+·11	55	53	0	NE	2	0	*	*	*	–	*	–
	Færder (X'iania Fjord)	29·95	58	NNW	2	0	29·95	+·09	59	57	+ 3	SSE	1	0	1	59	55	–	*	–
	Bodö	30·04	55	N	2	b	30·03	–·12	58	50	+ 10	E	2	b	1	58	48	–	*	–
	Christiansund ...	29·87	59	WSW	1	bc	30·00	–·01	50	47	– 1	W	6	0	3	59	48	–	*	0·12
	Skudesnaes ...	30·02	51	NW	4	0	30·05	+·13	52	50	– 4	Z	0	c	1	56	50	c, o	*	*
BRITISH ISLANDS.	Sumburgh Head	29·91	47	S	3	r	30·01	–·05	52	52	+ 4	W	4	0	4	52	46	o, r	*	0·23
	Stornoway ...	30·03	57	W	4	r	30·08	+·04	57	56	+ 7	W	2	0	2	59	47	o, r	0·0	0·10
	Malin Head ...	30·21	57	W	6	0	30·25	+·10	58	57	+ 2	W	4	b	3	59	55	of	*	0·01
	Blacksod Pt. ...	30·32	61	WSW	4	c	30·30	+·03	61	60	+ 3	SSW	5	om	4	62	56	c	*	–
	Valencia	30·39	60	WSW	1	0	30·39	+·02	59	58	– 1	SSE	1	om	3	63	58	om	0·0	0·01
	Roche's Point ...	30·35	65	NNW	3	c	30·38	+·05	62	60	+ 1	S	1	bcw	0	73	56	o, c	*	–
	Parsonstown ...	30·34	66	W	1	c	30·37	+·08	59	58	– 3	Z	0	0	*	72	51	–	2·1	–
	Donaghadee ...	30·23	60	Z	0	cg	30·31	+·10	65	62	+ 7	NW	2	bc	1	74	56	cg	*	–
	Liverpool Obsy.	30·24	61	W	5	c	30·35	+·11	59	58	+ 4	WNW	1	0	1	67	55	–	*	–
	Holyhead ...	30·27	61	SW	3	0	30·34	+·09	66	62	+ 9	WNW	3	b	2	67	50	f, bc, o	*	–
	Pembroke (St. Ann's)	30·31	62	NW	4	bc	30·36	+·07	61	60	+ 3	N	1	ogmw	2	64	57	bc, b	5·9	–
	Scilly (St. Mary's)...	30·37	60	WNW	3	m	30·36	+·02	62	59	+ 2	NNW	1	bw	1	64	57	c, f	8·9	–
	Jersey (St. Aubins)...	30·34	62	W	4	cg	30·33	+·02	65	63	+ 3	NW	3	c	3	66	58	bm, cgw	13·6	–
	Portland Bill ...	30·27	65	W	3	b	30·32	+·04	68	63	+ 11	N	3	b	1	68	56	c, b	*	–
	Dungeness ...	30·22	62	WSW	4	0	30·26	+·03	67	62	+ 11	N	3	cg	1	?67	56	c, o	8·7	–
	Wick	30·00	49	N	4	c	30·10	+·03	56	54	+ 8	W	1	c	1	56	48	–	*	0·10
	Nairn	30·03	62	W	3	c	30·13	+·04	62	58	+ 14	WSW	3	c	1	67	47	–	*	0·06
	Aberdeen ...	30·03	60	SW	3	ogm	30·17	+·04	60	56	+ 12	SSE	2	0	2	65	48	om, ogm	1·1	0·02
	Leith	30·09	64	WSW	3	b	30·21	+·06	63	60	+ 12	WSW	2	cm	*	70	50	–	*	0·01
	North Shields ...	30·11	65	W	2	c	30·22	+·06	66	62	+ 13	W	3	c	3	67	53	b, o, c	*	–
	Spurn Head ...	30·16	62	W	3	c	30·24	+·05	62	59	+ 10	WNW	3	b	3	64	52	–	*	–
	Yarmouth ...	30·17	61	NNE	3	c	30·21	+·07	65	59	+ 11	NNW	5	bc	4	65	50	bc, c	*	–
	Nottingham														*					
	Oxford	30·25	68	NNW	1	0	30·30	+·03	67	62	+ 10	NNW	3	b	*	70	57	–	*	–
	London (Brixton)...	30·21	68	NW	2	0	30·27	+·03	67	61	+ 11	N	2	b	*	70	56	b, o	6·8	–
GERMANY, &c.	The Scaw (Skagen)	29·96	58	N	2	c	29·94	+·13	56	53	– 2	W	3	o	1	63	54	–	*	–
	Fanö	30·05	57	NW	4	0	30·10	+·25	57	52	0	WNW	4	c	*	64	54	–	*	–
	Cuxhaven ...	29·99	61	NNW	4	bc	30·13	+·31	56	53	– 3	W	3	o	*	63	55	–	*	–
	The Helder ...	30·14	55	NNW	3	0	30·16	+·14	57	56	+ 3	W	2	o	2	57	54	–	*	–
	Brussels	*	*	*	*	*	30·25	+·11	56	53	+ 3	SSW	1	o	*	59	50	–	*	–
	Berlin	29·89	63	NW	2	0	30·02	+·22	60	57	+ 2	NW	2	o	*	70	55	–	*	–
	Frankfürt ...	30·08	53	W	3	r	30·17	+·22	54	49	0	NNW	4	o	*	57	52	–	*	0·79
	Munich	30·12	46	W	6	r	30·16	+·11	46	46	0	W	6	r	*	50	43	–	*	0·63
FRANCE.	C. Gris Nez ...	30·22	60	W	2	bc	30·23	+·03	63	61	+ 10	NNE	4	m	3	66	53	–	*	–
	Brest	30·38	60	N	2	bo	30·37	+·03	58	58	+ 1	N	1	m	2	64	55	–	*	–
	Lorient	30·32	66	N	2	b	30·36	·00	61	61	+ 6	N	1	m	2	73	55	–	*	–
	Rochefort ...	30·26	65	NW	4	b	30·32	·00	61	57	+ 2	E	2	b	*	68	55	b	*	–
	Biarritz	30·31	67	NNW	3	b	30·32	·00	63	61	– 2	Z	0	b	1	68	55	–	*	–
	Paris	30·23	68	N	4	0	30·27	+·02	66	60	+ 9	NNW	2	c	*	74	57	–	*	–
	Belfort	30·17	54	WSW	3	0	30·22	+·09	51	49	+ 1	WSW	3	m	*	57	48	–	*	–
	Lyons	30·21	63	NNE	3	bc	30·27	+·06	56	49	+ 2	N	3	b	*	69	52	–	*	–
	Nice	29·88	66	W	1	bc	29·94	+·07	68	57	+ 1	NNW	1	b	1	75	59	–	*	–
	Perpignan ...	30·10	74	NW	5	b	30·18	+·01	70	56	+ 6	NW	4	b	*	77	60	–	*	–
SPAN. PEN.	Corunna																		*	
	Lisbon	29·95	75	WSW	4	b	30·00	+·03	76	68	– 2	ENE	3	b	*	91	68	–	*	–
	Azores (P. Delgada)	30·22	65	N	2	b	30·16	–·07	66	64	– 3	NNE	4	c	2	75	64	–	*	–
	,, (Horta) ...	30·24	68	Z	0	b	30·20	–·04	68	66	– 1	Z	0	m	0	75	54	–	*	–

NOTE: *The Sunshine for London given in this Table is recorded on the Tower of the Wesleyan Training College, Westminster: the Sunshine entered to Dungeness is recorded at Littlestone-on-Sea*

* *Observations for this column not generally received.*

† *Observations received too late for insertion in Charts on next page.*

WEATHER CHARTS

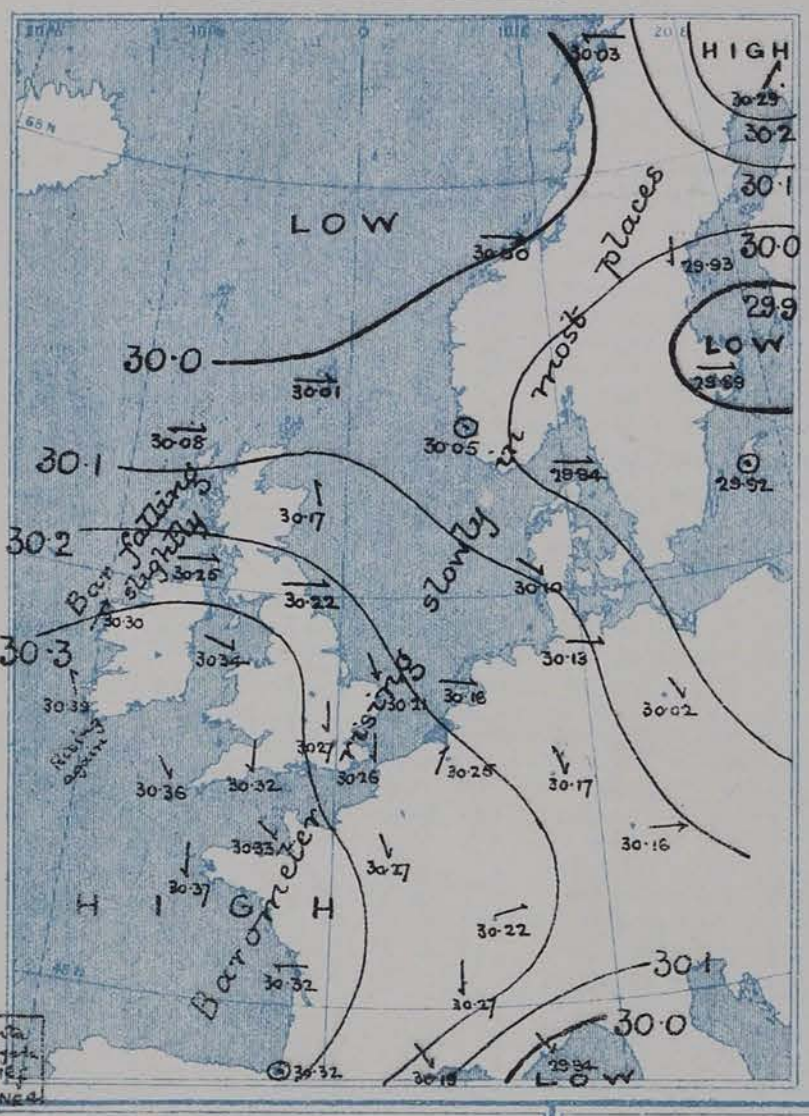
FOR THURSDAY, 9TH JULY, 1903.

I. BAROMETER, WIND AND SEA. *This Morning.*

BAROMETER.—Isobars are drawn for each tenth of an inch.
WIND.—Arrows show Directions and Force, flying with the wind.

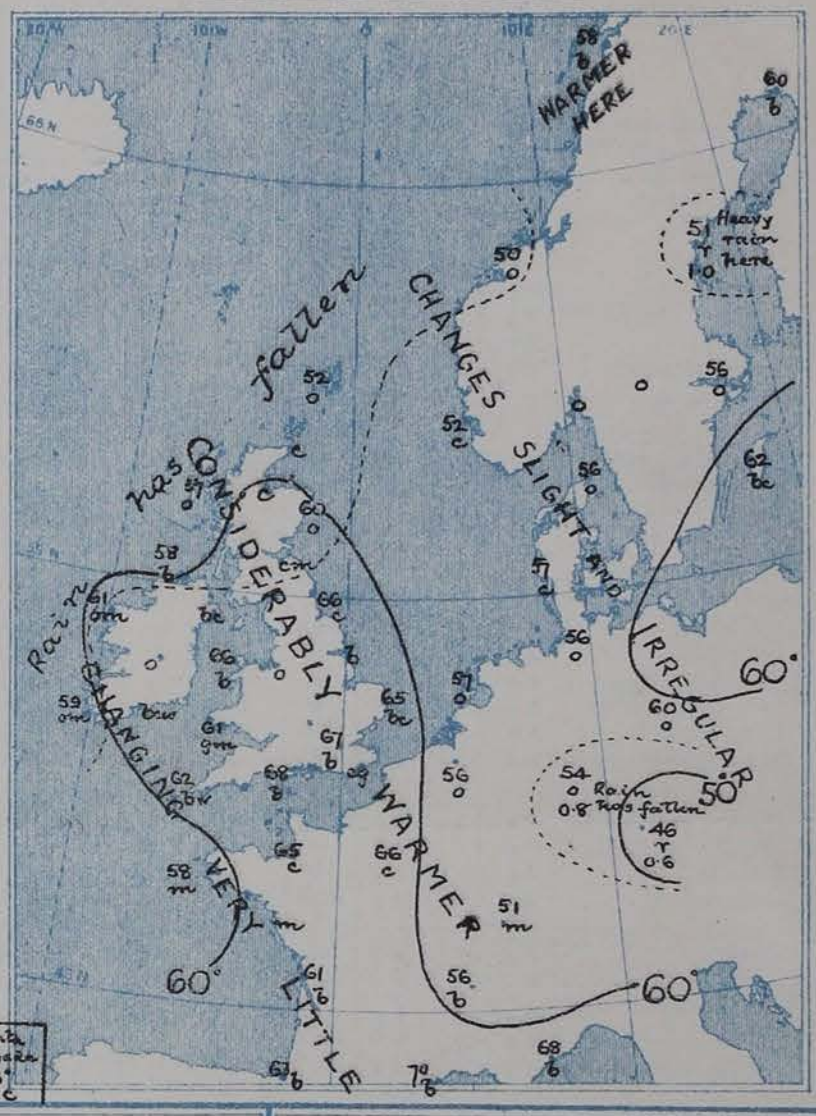
Force above 10 ⟶⟶ : *Force 5 to 7* ⟶ : } Calm ⊙
Force 8 to 10 ⟶ : *Force 1 to 4* ⟶ }

SEA.—Rough *High*



II. TEMPERATURE AND WEATHER. *This Morning.*

TEMPERATURE.—Isotherms are drawn for each 10°.
WEATHER.—Shown by Letters of the Beaufort Scale. *(See P. 4.)*
RAINFALL.—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0·6



III BAROMETER AND WIND

Yesterday morning.

IV. GREATEST AND LEAST MONTHLY RAINFALL IN JULY

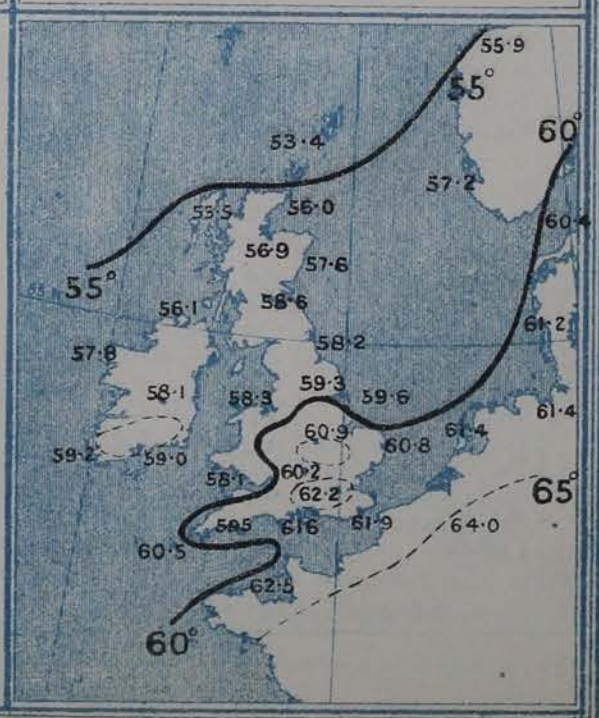
During the 32 Years 1871–1902.

Specimen (for LONDON) { *Greatest Rainfall* 5·94 (IN 1888) / *Least Do* 0·51 (IN 1885)

V. *Means of* DAILY TEMPERATURE

at 8 A.M. for the Monthly period

JULY. (1871–1900.)



GENERAL SITUATION AT 8 A.M.

PRESSURE

A large anticyclone extends from the Atlantic over the greater part of these Islands and France, the highest pressures, 30·3 ins. and upwards, being reported at our southwestern and the western French stations. Another high pressure area with readings above 30·1 ins. has appeared over the north of Scandinavia. The lowest readings, 29·8 ins. and less, are found in a depression which is moving eastwards across the Baltic. Another disturbance with readings below 29·9 ins. is still situated over the Gulf of Genoa, while a third, with readings below 30·0 ins. is approaching the northwest of Scotland. The latter system is occasioning a fall of the barometer in Scotland and the north of Ireland but in all other parts of our area the mercury is at present rising.

WIND TEMPERATURE WEATHER AND SEA

The wind is Northwesterly in the south and east of England, and Northerly in the western parts of the Continent, with a gale at Christiansund; in Germany (to the southward of the Baltic low pressure system) it draws into West or Southwest. Southwesterly and Westerly winds are general also over the northern parts of the United Kingdom, in the front of the new disturbance which is approaching Scotland, and rain is falling over nearly the whole of that country, while showers are reported at Holyhead and Valencia (Ireland). Over France, the south and east of England, and on the eastern shores of the North Sea the weather is fine, but in Sweden, Denmark and the Netherlands the sky is overcast, with rain at Stenström and, Stockholm, Brussels and Munich. Temperature has risen over Ireland and England, but has changed rather irregularly elsewhere. In the western parts of the United Kingdom and in the Scilly and Channel Islands the readings are now slightly above the average, the highest values reported being 62° at Parsonstown and Jersey and 61° at Roches Point. In nearly all other parts of Western Europe the thermometer remains below the average, the readings in Scotland being in many places below 50°. The lowest temperature reported this morning at any of our stations is 46° at Munich. The sea is rough at the Helder, and moderate on our own north and east coasts, but slight or smooth elsewhere.

During yesterday the thermometer rose to 60° and upwards in all but the northwestern and extreme northern parts of the United Kingdom and to 66° in London and at Dungeness. The amount of Bright Sunshine was small in Ireland but large in many parts of Great Britain, — more than 13 hours in several places.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The new depression off the northwest of Scotland is likely to spread rather quickly eastwards and southwards, and the cloudy unsettled weather now prevalent in the west and north will probably become general in the course of the next 24 hours. Over our southern districts, however, rain is not likely to fall in any great quantity.

FORECASTS*

For the 24 hours ending at NOON on 9th JULY, 1903

DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	SW^ly and W^ly winds, freshening; dull, rain at times.
1 SCOTLAND EAST	
2 ENGLAND N.E.	
3 ENGLAND EAST	NW^ly to W^ly winds, light or moderate; fine at first, cloudy later, probably some showers.
4 MIDLAND COUNTIES	
5 ENGLAND SOUTH	
6 SCOTLAND WEST	W^ly winds, strong; dull, unsettled, some rain.
7 ENGLAND N.W.	W^ly winds, moderate or fresh; cloudy, showery.
8 ENGLAND S.W.	NW^ly winds, light; cloudy, local showers.
9 IRELAND NORTH	Same as No. 6.
10 IRELAND SOUTH	Same as No. 8.
WARNINGS	None issued.

Note.—The **South Cone**, *point downwards* (▼), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the *North* Cone is hoisted in preference to the *South* Cone.

The **North Cone**, *point upwards* (▲), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the *South* Cone is hoisted in preference to the *North* Cone.

* *For terms for transmission of Forecasts by Telegraph, see next page*

ADDITIONAL OBSERVATIONS made at Stations in the UNITED KINGDOM.

TELEGRAPHIC REPORTS TO-DAY.	Yesterday 6 p.m.					This Morning 8 a.m.									Past 24 Hours.				
	Bar. Ins.	Temp. °	Wind Direc^n	Wind Force	Weather.	Barometer. Ins.	Barometer. Change	Temperature Dry.	Temperature Wet.	Temperature Change	Wind Direc^n	Wind Force	Weather.	Sea.	Temperature Max.	Temperature Min.	Weather	Sunshine. Hrs.	Rainfall Ins.
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	*	*	b	*	61	43	b	13·5	–
Bath	30·18	65	W	1	b	30·27	+ ·13	58	53	+ 5	NW	1	b	*	67	43	–	14·3	–

REPORTS FOR YESTERDAY.

STATIONS.	Temperature F. Max. °	Temperature F. Min. °	Weather.	Sunshine Hrs	Rainfall. Ins.	STATIONS.	Temperature F. Max. °	Temperature F. Min. °	Weather.	Sunshine. Hrs.	Rainfall. Ins.
Southport, to 9 p.m.... ...	58	51	c, b	12·8	–	Eastbourne, to 6 p.m. ...	*	*	*	13·1	*
Rhyl to 6 pm	*	*	*	11·5	*	Hastings	*	*	*	12·8	*
Llandudno	*	*	*	13·2	*	Broadstairs	*	*	*	12·9	–
Aberystwyth, to 6 p.m. ...	60	51	bc	12·0	–	Lowestoft, to 6 p.m.... ...	55	49	or, oc, o	2·0	0·02
Plymouth, to 9 p.m.... ...	64	50	bc, b	13·4	–	Harrogate, to 6 p.m. ...	62	45	bc	9·8	–
Worthing	*	*	*	14·2	*	Manchester, to 9 p.m. ...	60	47	b	12·8	–
Brighton	*	*	*	13·7	*	Darwen, to 9 p.m.	60	42	b, ov, w	13·5	–
						Birmingham, to 9 p.m. ...	61	48	o, c, b	8·0	–

TEMPERATURE, WEATHER, and RAINFALL at additional FOREIGN STATIONS, mainly for the 24 hours ended at 8 a.m. yesterday.

STATIONS. 7th July 1903.	Temperature, F. Max.	Temperature, F. Min.	Weather.	Rain. Ins.	STATIONS. 6th July 1903	Temperature, F. Dry. 1 p.m.	Temperature, F. Wet	Weather. 1 p.m.	Rain. Ins. Measured 7 a.m.
Marseilles	81	64	o, c	–	Geneva	68	*	o	0·51
Utrecht...	61	50	o, r	0·39	Berne	63	*	c	1·81
Copenhagen	68	55	o, o	0·12	Lucerne	70	*	o	0·98
Prague ... ... Not rec^d.					Coire	68	*	o	0·16
Vienna	64	43	r, r	0·20	Castasegna	66	*	o	0·12
Buda-Pesth	79	64	o, o	1·02	Lugano	70	*	r	1·14
St. Petersburg	70	55	c, m	–					
Rome	84	70	b, o	–					
Malta	85	68	?, c	–					
Madeira (Funchal) Not rec^d.									

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

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British Isles, Belgium† ...	8 a.m. (West European)	8 a.m.	6 p.m. (W.E.T.)	6 p.m.
Holland	8 a.m. („ „)	8 a.m.	7 p.m. (W.E.T.)	7 p.m.
Germany, Denmark, Norway, Sweden	8 a.m. (Mid-European)	7 a.m.	8 p.m. (M.E.T.)	7 p.m.
France	7 a.m. (Paris)	6.51 a.m.	6 p.m. (Paris)	5.51 p.m.
Spain	8 a.m. (West European)	8 a.m.	6 p.m. (W.E.T.)	6 p.m.
Portugal	8 a.m. (Lisbon)	8.36 a.m.	3.23 p.m. (Lisbon)	4 p.m.
Azores { Ponta Delgada	6 a.m. (Local)	7.43 a.m.	9 p.m. (Local)	10.43 p.m.
Azores { Horta	6 a.m. (Local)	7.55 a.m.	9 p.m. (Local)	10.55 p.m.

TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON, AND SUNSET, FOR STATIONS IN THE UNITED KINGDOM, TO-DAY.

8th July 1903.	Sunrise G.M.T.	Noon G.M.T	Sunset G.M.T.
Yarmouth	3.41	11.58	8.15
Greenwich	3.54	12.5	8.16
Wick	3.20	12.17	9.13
Valencia	4.32	12.46	8.59

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‡ At Oxford the observations are taken at 8 p.m.

DAILY WEATHER REPORT

for 8 a.m. on Friday, 10th July, 1903.

Issued by the METEOROLOGICAL OFFICE, 63, Victoria Street, London. W. N. SHAW, *Secretary.*

	STATIONS.	YESTERDAY EVENING. (See note on last page.) Barom. At 32° and M.S.L. Ins.	Temp. Dry Bulb. °	Wind. Direc.	Wind. Force (0 to 12.)	Weather	THIS MORNING. (See note on last page.) Barometer. At 32° Fahr. and M.S.L. Ins.	Change since Yesterday. Ins.	Temperature. Dry Bulb. °	Wet Bulb. °	Change since Yesterday. °	Wind. Direc.	Wind. Force (0 to 12.)	Weather.	Sea (0 to 9.)	PAST 24 HOURS. Temp. Max. °	Temp. Min. °	Weather	Sunshine. Hours.	Rainfall. Ins.
SCANDINAVIA.	Haparanda ...	30·07	52	SE	4	r	29·97	-·12	47	45	-13	ENE	4	o	*	64	47	-	*	0·12
	Hernösand ...	30·01	50	NE	2	f	30·01	+·08	53	49	+2	SE	2	o	*	54	48	-	*	0·08
	Stockholm ...	29·99	58	NW	2	c	30·04	+·15	58	54	+2	W	2	o	*	64	54	-	*	-
	Wisby	29·97	60	N	0	b	30·04	+·12	59	55	-3	N	0	b	*	64	57	-	*	-
	Karlstad	30·00	61	S	2	b	30·02	+·08	60	56	+5	SW	2	b	*	*	*	-	*	-
	Færder (X'tiania Fjord)	29·92	61	SSW	2	b	30·05	+·10	64	58	+5	SW	2	bc	2	64	59	-	*	-
	Bodö	29·99	52	NE	2	r	29·82	-·21	55	50	-3	E	2	c	1	61	48	-	*	0·20
	Christiansund ...	30·01	51	WSW	1	c	29·88	-·12	53	50	+3	WSW	8	c	4	54	50	-	*	0·35
	Skudesnaes ...	30·17	54	NNW	4	o	30·11	+·06	55	54	+3	NW	4	r	2	55	52	o	*	*
BRITISH ISLANDS.	Sumburgh Head	29·99	53	W	4	o	29·98	-·03	53	52	+1	W	5	c	5	58	50	f,o	*	0·03
	Stornoway ...	30·06	57	SW	4	o	30·11	+·03	54	52	-3	WNW	2	o	2	64	50	b,o	2·5	0·06
	Malin Head ...	30·22	58	W	6	cf	30·21	-·04	60	58	+2	W	3	om	3	66	57	b,of	*	-
	Blacksod Pt. ...	30·27	61	SW	5	c	30·24	-·06	60	60	-1	SSW	5	om	4	62	58	om,cf	*	-
	Valencia	30·35	62	SSW	2	o	30·31	-·08	60	59	+1	SSE	2	o	3	67	57	c,o	2·5	-
	Roche's Point ...	30·36	60	SSW	3	o	30·32	-·06	59	58	-3	N	0	c	0	66	56	b,of	*	-
	Parsonstown ...	30·31	73	NW	1	b	30·30	-·07	60	59	+1	W	1	od	*	74	58	-	9·7	0·01
	Donaghadee ...	30·26	72	S	3	bc	30·26	-·05	62	61	-3	SSW	1	c	1	75	52	-	*	-
	Liverpool Obsy.	30·33	66	WNW	1	b	30·30	-·05	67	61	+8	N	0	b	0	69	59	-	*	-
	Holyhead ...	30·32	64	SW	3	b	30·30	-·04	55	55	-11	SW	3	f	2	70	54	bc,b	*	-
	Pembroke (St. Ann's)	30·35	64	NW	2	b	30·33	-·03	55	55	-6	N	0	fw	3	69	53	b,f	9·8	-
	Scilly (St. Mary's)...	30·34	65	N	2	b	30·30	-·06	66	62	+4	E	2	b	1	67	59	b	13·9	-
	Jersey (St. Aubins)...	30·30	70	NNW	3	b	30·35	+·02	69	64	+4	NW	1	bm	1	76	62	c,b	9·0	-
	Portland Bill ...	30·32	68	NW	1	bc	30·34	+·02	69	64	+1	N	0	bm	0	77	60	c,bc	*	-
	Dungeness ...	30·32	64	ESE	1	b	30·35	+·09	63	59	-4	N	1	bw	0	72	52	bc,b	6·7	-
	Wick	30·07	62	W	1	bc	30·11	+·01	58	56	+2	N	3	c	1	71	55	-	*	-
	Nairn	30·08	65	WSW	3	c	30·12	-·01	59	57	-3	WSW	3	c	1	69	57	-	*	-
	Aberdeen ...	30·12	75	WSW	3	c	30·14	-·03	67	60	+7	SSW	3	c	2	78	60	c	5·5	-
	Leith	30·20	72	W	2	o	30·18	-·03	67	63	+4	W	3	c	*	75	61	-	*	-
	North Shields ...	30·29	75	WNW	3	bc	30·23	+·01	70	64	+4	W	2	b	2	77	60	c,bc	*	-
	Spurn Head ...	30·29	64	ESE	3	bc	30·29	+·05	66	62	+4	N	0	b	2	69	50	-	*	-
	Yarmouth ...	30·28	66	NE	3	b	30·31	+·10	68	63	+3	W	3	b	2	68	54	b	*	-
	Nottingham ...														*					
	Oxford	30·31	71	E	1	b	30·33	+·03	68	65	+1	E	1	bm	*	79	58	-	*	-
	London (Brixton)...	30·28	77	N	1	c	30·33	+·06	69	64	+2	SW	1	b	*	78	59	c,b	6·5	-
GERMANY, &c.	The Scaw (Skagen)	30·08	58	W	2	bc	30·06	+·12	62	57	+6	NW	3	b	1	64	55	-	*	-
	Fanö	30·18	56	NW	5	o	30·21	+·11	60	58	+3	WNW	2	c	*	61	54	-	*	-
	Cuxhaven ...	30·18	60	WNW	3	o	30·24	+·11	59	57	+3	NW	4	o	*	61	57	-	*	-
	The Helder ...	30·26	57	N	3	o	30·30	+·14	60	58	+3	W	2	o	2	63	55	-	*	-
	Brussels	*	*	*	*	*	30·36	+·13	56	53	0	NNW	1	o	*	68	53	-	*	0·04
	Berlin	30·07	64	NW	5	bc	30·12	+·10	60	57	0	NW	4	c	*	70	54	-	*	-
	Frankfürt ...	30·19	58	NW	2	o	30·24	+·07	61	55	+7	NW	4	o	*	64	57	-	*	-
	Munich	30·25	50	W	6	o	30·28	+·12	49	48	+3	W	5	o	*	50	46	-	*	0·32
FRANCE.	C. Gris Nez ...	30·28	66	NE	3	b	30·34	+·11	61	?59	-2	N	0	b	0	70	57	-	*	-
	Brest	30·32	73	N	2	b	30·32	-·05	64	60	+6	E	2	b	2	75	57	-	*	-
	Lorient	30·30	72	N	1	bc	30·28	-·08	68	63	+7	E	2	b	0	75	59	-	*	-
	Rochefort ...	30·24	68	N	4	c	30·25	-·07	66	63	+5	NE	4	b	*	72	57	-	*	-
	Biarritz	30·26	70	N	2	b	30·24	-·08	66	64	+3	N	0	b	0	75	59	-	*	-
	Paris	30·28	70	N	4	b	30·35	+·08	60	57	-6	NE	1	b	*	70	52	-	*	-
	Belfort	30·20	59	WSW	3	o	30·26	+·04	55	50	+4	N	0	m	*	67	51	-	*	-
	Lyons	30·25	62	NNW	3	o	30·25	-·02	58	52	+2	N	3	b	*	68	55	-	*	-
	Nice	29·98	69	NW	1	b	30·01	+·07	69	57	+1	ENE	2	b	2	75	57	-	*	-
	Perpignan ...	30·10	79	NW	4	b	30·13	-·05	70	61	0	NW	3	b	*	83	66	-	*	-
SPAN. PEN.	Corunna																		*	
	Lisbon	29·99	73	WNW	4	b	30·01	+·01	73	67	-3	NE	1	b	*	86	70	-	*	-
	Azores (P. Delgada)																		*	
	" (Horta) ...	30·18	70	N	0	bc	30·17	-·03	69	66	+1	N	0	o	0	75	66	-	*	-

NOTE: *The Sunshine for London given in this Table is recorded on the Tower of the Wesleyan Training College, Westminster; the Sunshine entered to Dungeness is recorded at Littlestone-on-Sea.*

* *Observations for this column not generally received.*

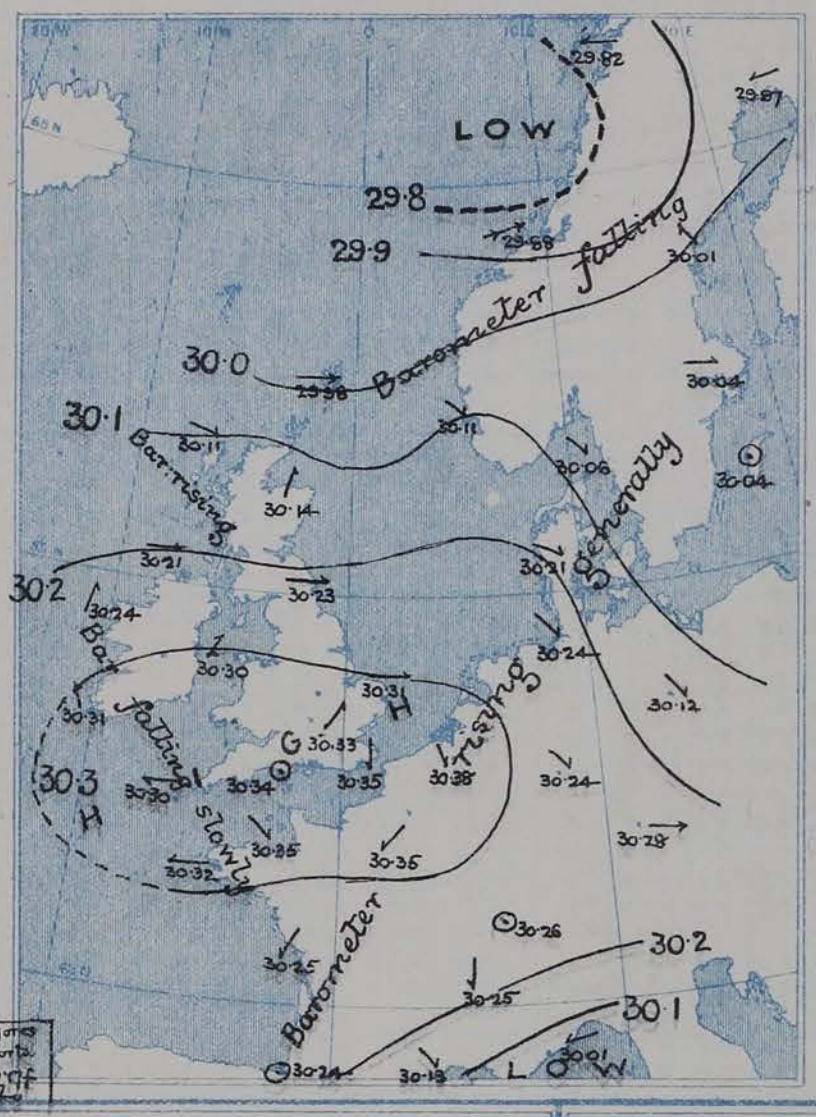
† *Observations received too late for insertion in Charts on next page.*

WEATHER CHARTS

FOR FRIDAY, 10TH JULY, 1903.

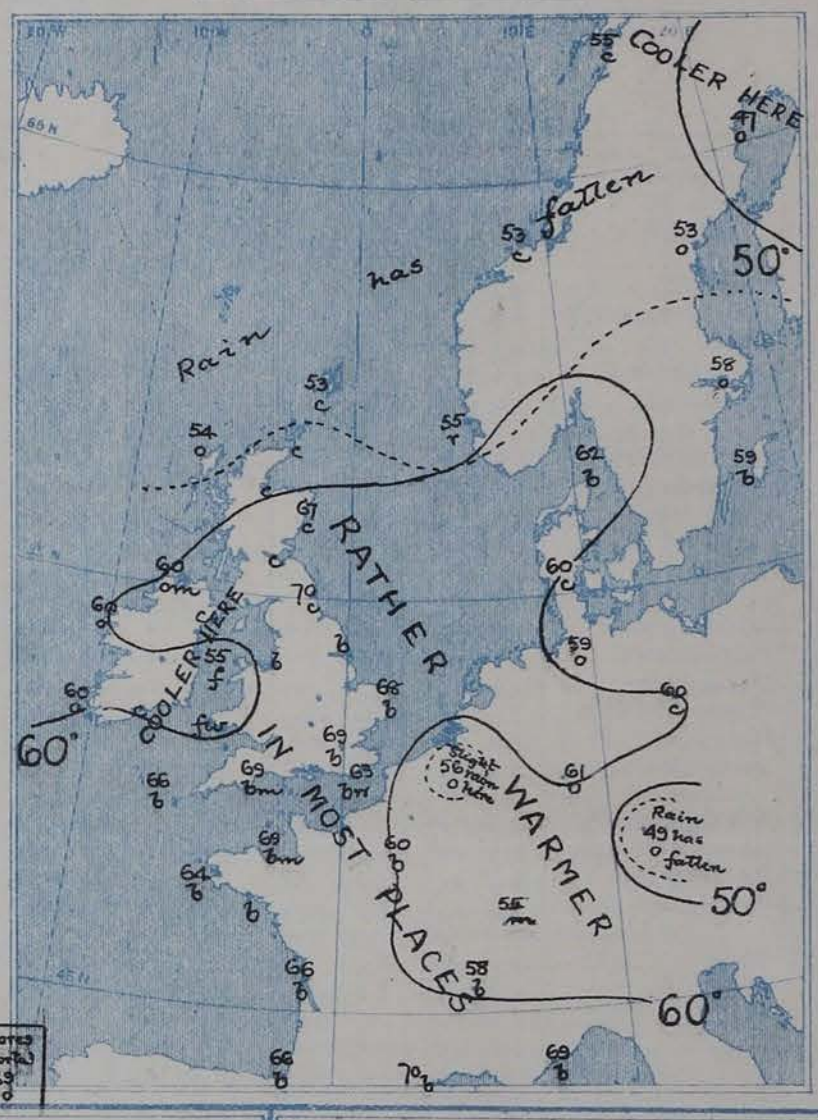
I. BAROMETER, WIND AND SEA. *This Morning.*

BAROMETER.—Isobars are drawn for each tenth of an inch.
WIND.—Arrows show Directions and Force, flying with the wind.
Force above 10 ⟶⟶ : *Force 5 to 7* ⟶ : } Calm ⊙
Force 8 to 10 ⟶ *Force 1 to 4* ⟶ }
SEA.—Rough *High*



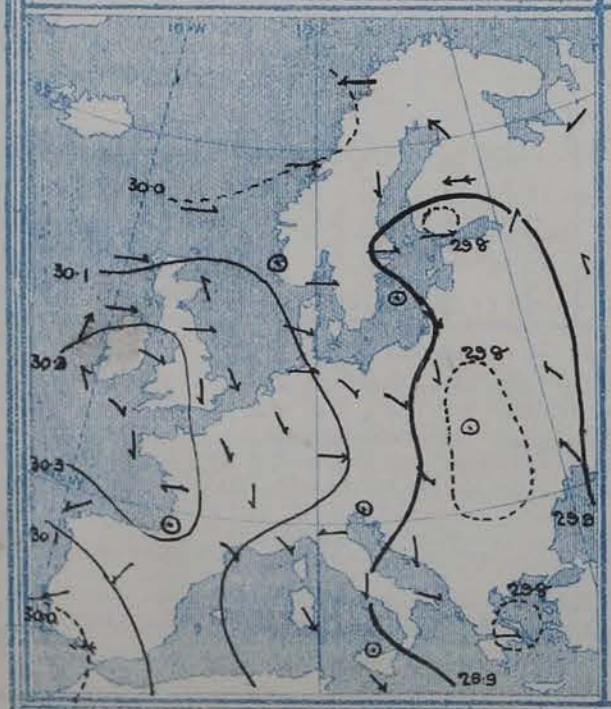
II. TEMPERATURE AND WEATHER. *This Morning.*

TEMPERATURE.—Isotherms are drawn for each 10°.
WEATHER.—Shown by Letters of the Beaufort Scale. *(See P. 4.)*
RAINFALL.—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0·6



III BAROMETER AND WIND

Yesterday morning.



IV. GREATEST AND LEAST MONTHLY RAINFALL IN JULY

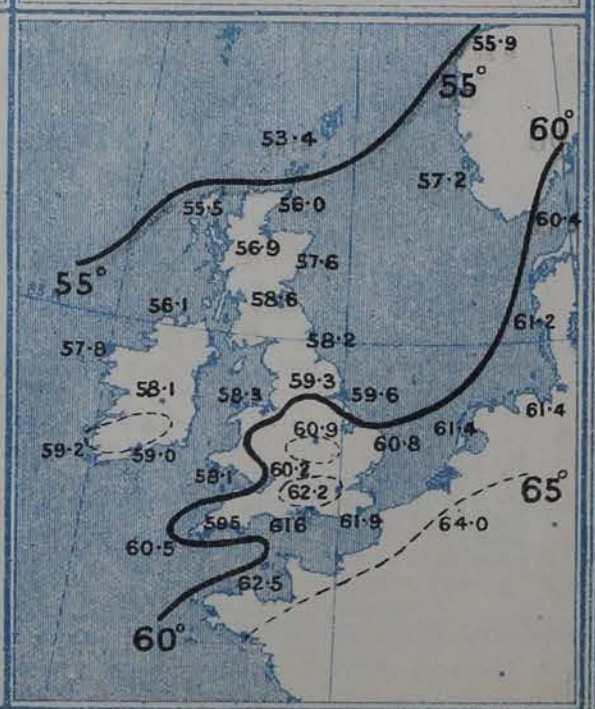
During the 32 Years 1871–1902.

Specimen (for LONDON) { *Greatest Rainfall* 5·94 (in 1888) / *Least Do* 0·51 (in 1885) }

V. *Means of* DAILY TEMPERATURE

at 8 A.M. for the Monthly period

JULY. (1871–1900.)



GENERAL SITUATION AT 8 A.M.

PRESSURE

An anticyclone now covers the greater part of Western Europe, its central portion, with pressures above 30·3 ins., being situated over our eastern and southern districts and the west of France; another high pressure system, with readings above 30·2 ins. is lying over Lapland. The lowest readings, 29·9 ins. and less, are found in a shallow depression near Stockholm, another disturbance with readings below 30·0 ins. being situated off the west of Norway. The barometer is rising in most places but is falling slowly in the west of Ireland, as well as at some of the Swedish stations.

WIND

The wind shows a distinct anticyclonic circulation, being Southerly in Ireland, Westerly over Scotland and the eastern shores of the North Sea and Northwesterly or Northerly over England and France. In Scandinavia it is rather variable.

TEMPERATURE

Temperature has risen generally, the change since yesterday morning amounting to more than 10° in many parts of Great Britain and to 14° at Nairn. Over the United Kingdom the thermometer is now above the average, the morning readings being above 65° at many of the English stations and as high as 69° at Bath. Over the Netherlands, Germany and the northern parts of the Continent the thermometer remains rather low, the readings being as low as 46° at Munich, 51° at Belfort and 54° at Frankfürt. At Haparanda the thermometer stands at 60°.

WEATHER AND SEA

The weather is fair or fine over Western Europe generally, but is dull in the extreme west and north of our islands, as well as in many parts of Scandinavia, Denmark and Germany, with rain at Herniösand and Munich. The sea is slight or smooth generally.

During yesterday the thermometer rose to between 65° and 70° in most parts of the United Kingdom, to 72° at Parsonstown, 73° at Roche's Point and 74° at Donaghadee. The amount of Bright Sunshine varied greatly in different places, but was as a rule rather small. Slight rain fell in Scotland and the north of Ireland, and considerable quantities at Herniösand, Frankfürt and Munich.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The anticyclone shows at present no sign of giving way, and fair dry weather is likely to continue over England, with higher temperatures than of late. In the extreme northern and northwestern parts of the Kingdom a continuance of changeable weather is probable, owing to the movement of cyclonic systems outside the Irish and Scotch coasts.

FORECASTS*

For the 24 hours ending at NOON on 10TH JULY, 1903

DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	SW^ly winds, freshening; dull, unsettled, some rain.
1 SCOTLAND EAST	SW^ly winds, moderate; fair at first, some showers later.
2 ENGLAND N.E.	W^ly winds, light; fair, warm.
3 ENGLAND EAST	Light breezes, chiefly NW^ly; fair, warm.
4 MIDLAND COUNTIES	
5 ENGLAND SOUTH	
6 SCOTLAND WEST	Same as No. 0.
7 ENGLAND N.W.	W^ly to SW^ly winds, moderate; fair warm.
8 ENGLAND S.W.	Light variable airs; fair, warm.
9 IRELAND NORTH	SW^ly to W^ly winds, fresh or strong; cloudy, showery.
10 IRELAND SOUTH	S^ly and SW^ly winds, moderate; cloudy, some showers.
WARNINGS	None issued.

Note.—The **South Cone**, *point downwards* (▼), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the *North* Cone is hoisted in preference to the *South* Cone.

The **North Cone**, *point upwards* (▲), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the *South* Cone is hoisted in preference to the *North* Cone.

* *For terms for transmission of Forecasts by Telegraph, see next page.*

ADDITIONAL OBSERVATIONS made at Stations in the UNITED KINGDOM.

TELEGRAPHIC REPORTS TO-DAY.	Yesterday 6 p.m. Bar. Ins	Temp. °	Wind Direc^n	Wind Force	Weather.	This Morning 8 a.m. Barometer. Ins.	Barometer. Change	Temperature Dry.	Temperature Wet.	Temperature Change	Wind Direc^n	Wind Force	Weather.	Sea.	Past 24 Hours. Temperature Max.	Temperature Min.	Weather	Sunshine. Hrs.	Rainfall Ins.
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	*	*	o	*	69	58	b, o	9.5	-
Bath	30.26	69	W	1	b	30.32	+ .05	69	63	+ 11	NW	1	b	*	71	?58	-	8.3	-

REPORTS FOR YESTERDAY.

STATIONS.	Temperature F. Max. °	Temperature F. Min. °	Weather.	Sunshine Hrs	Rainfall. Ins.	STATIONS.	Temperature F. Max. °	Temperature F. Min. °	Weather.	Sunshine. Hrs.	Rainfall. Ins.
Southport, to 9 p.m.... ...	63	53	b, o, d, o	0.4	-	Eastbourne, to 6 p.m. ...	*	*	*	9.0	*
Rhyl to 6 pm	*	*	*	4.0	*	Hastings	*	*	*	10.3	*
Llandudno	*	*	*	1.4	*	Broadstairs	*	*	*	7.7	-
Aberystwyth, to 6 p.m. ...	62	58	c, o	3.0	-	Lowestoft, to 6 p.m.... ...	64	45	b, bc, o	7.3	-
Plymouth, to 9 p.m.... ...						Harrogate, to 6 p.m. ...	67	40	o, bc, c	7.2	-
Worthing	*	*	*	8.7	*	Manchester, to 9 p.m. ...	64	42	om, d	1.1	-
Brighton	*	*	*	8.8	*	Darwen, to 9 p.m.	61	45	bc, od, omw	2.2	0.01
						Birmingham, to 9 p.m. ..	71	45	b, c, o	5.1	-

TEMPERATURE, WEATHER, and RAINFALL at additional FOREIGN STATIONS, mainly for the 24 hours ended at 8 a.m. yesterday.

STATIONS. 8th July, 1903.	Temperature, F. Max.	Temperature, F. Min.	Weather.	Rain. Ins.	STATIONS. 7th July 1903	Temperature, F. Dry 1 p.m.	Temperature, F. Wet	Weather. 1 p.m.	Rain. Ins. Measured 7 a.m.
Marseilles	73	57	b, b	-	Geneva	63	*	bc	0.12
Utrecht...	52	50	r, o	0.39	Berne	59	*	c	0.24
Copenhagen	63	57	o, c	—	Lucerne	63	*	c	0.20
Prague	66	54	o, o	—	Coire	61	*	c	0.16
Vienna	68	52	o, o	0.04	Castasegna	70	*	b	0.43
Buda-Pesth	70	52	c, r	0.28	Lugano	75	*	b	0.08
St. Petersburg	75	57	o, r	0.04					
Rome	82	62	bc, b	—					
Malta	84	68	?, bc	—					
Madeira (Funchal) Not rec^d.									

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

TABLE SHOWING THE LOCAL STANDARD TIMES AND THE CORRESPONDING GREENWICH TIMES OF THE OBSERVATIONS RECORDED ON PAGE 1.

COUNTRIES, &c.	Hours of Morning Observations by Local Standard Time.	Corresponding Greenwich Times.	Hours of Evening Observations by Local Standard.	Corresponding Greenwich Times.
British Isles, Belgium† ...	8 a.m. (West European)	8 a.m.	6 p.m. (W.E.T.)	6 p.m.
Holland	8 a.m. (" ")	8 a.m.	7 p.m. (W.E.T.)	7 p.m.
Germany, Denmark, Norway, Sweden	8 a.m. (Mid-European)	7 a.m.	8 p.m. (M.E.T.)	7 p.m.
France	7 a.m. (Paris)	6.51 a.m.	6 p.m. (Paris)	5.51 p.m.
Spain	8 a.m. (West European)	8 a.m.	6 p.m. (W.E.T.)	6 p.m.
Portugal	8 a.m. (Lisbon)	8.36 a.m.	3.23 p.m. (Lisbon)	4 p.m.
Azores { Ponta Delgada	6 a.m. (Local)	7.43 a.m.	9 p.m. (Local)	10.43 p.m
Azores { Horta	6 a.m. (Local)	7.55 a.m.	9 p.m. (Local)	10.55 p.m

TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON, AND SUNSET, FOR STATIONS IN THE UNITED KINGDOM, TO-DAY.

9th July, 1903.	Sunrise G.M.T.	Noon G.M.T.	Sunset G.M.T.
Yarmouth	3.42	11.58	8.14
Greenwich	3.55	12.5	8.15
Wick	3.21	12.17	9.12
Valencia	4.33	12.46	8.59

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FORECASTS OF WEATHER for one day in advance are drawn up at the Meteorological Office at 11 a.m., and between 7 and 8 p.m. The latest forecast can be had by Reply Telegram, on paying at any Post Office in the United Kingdom **Sixpence in addition to the cost of the inquiry and reply Telegrams.** Information as to the Terms on which Forecasts can be sent daily, for a long or short period, may be obtained on application to the Meteorological Office, 63, Victoria Street, S.W., either personally or by post.

† The evening observations in Belgium are not given on page 1.

‡ At Oxford the observations are taken at 8 p.m.

DAILY WEATHER REPORT

for 8 a.m. on Saturday, 11th July, 1903.

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	STATIONS.	YESTERDAY EVENING. (See note on last page.) Barom. At 32° and M.S.L. Ins.	Temp. Dry Bulb. °	Wind. Direc.	Wind. Force (0 to 12.)	Weather	THIS MORNING. (See note on last page.) Barometer. At 32° Fahr. and M.S.L. Ins.	Barometer. Change since Yesterday. Ins.	Temperature. Dry Bulb. °	Temperature. Wet Bulb. °	Temperature. Change since Yesterday. °	Wind. Direc.	Wind. Force (0 to 12.)	Weather.	Sea (0 to 9.)	PAST 24 HOURS. Temp. Max. °	Temp. Min. °	Weather	Sunshine. Hours.	Rainfall. Ins.
SCANDINAVIA.	Haparanda ...	29.87	50	W	2	bc	29.82	-.15	51	50	+4	SW	2	0	*	57	46	–	*	–
	Hernösand ...	29.97	49	Z	0	0	29.91	-.10	51	50	-2	Z	0	0	*	52	48	–	*	–
	Stockholm ...	29.91	63	S	2	b	29.82	-.22	69	63	+11	SW	2	b	*	73	52	–	*	–
	Wisby	29.97	61	Z	0	b	29.88	-.16	61	59	+2	W	2	b	*	70	54	–	*	–
	Karlstad	29.88	68	W	2	b	29.88	-.14	60	52	0	NW	2	b	*	*	*	–	*	–
	Færder (X'iania Fjord)	29.98	67	WNW	4	bc	29.94	-.11	61	51	-3	NW	2	b	2	68	59	–	*	–
	Bodö	29.73	51	S	8	0	29.76	-.06	50	48	-5	SSW	6	0	4	55	48	–	*	0.28
	Christiansund ...	29.93	51	SW	9	0	29.91	+.03	50	48	-3	WSW	6	r	4	54	50	–	*	0.12
	Skudesnaes ...	30.13	54	NW	2	0	30.08	-.08	53	50	-2	NW	4	0	2	57	52	0	*	*
BRITISH ISLANDS.	Sumburgh Head	30.04	52	W	5	c	30.02	+.04	52	50	-1	W	3	c	4	55	48	c	*	–
	Stornoway ...	30.14	58	NW	3	0	30.12	+.01	54	51	0	WNW	2	0	2	59	47	0	7.0	–
	Malin Head ...	30.21	53	W	3	orf	30.23	+.02	54	52	-6	NW	3	b	2	60	52	r, 0 f r	*	0.06
	Blacksod Pt. ...	30.25	57	SW	4	om	30.26	+.02	56	52	-4	NNE	3	bc	3	62	53	om, f	*	0.01
	Valencia	30.26	63	NW	2	cm	30.19	-.12	61	60	+1	Z	0	0	2	62	58	c, 0 m	5.3	–
	Roche's Point ...	30.27	60	SSW	3	cf	30.20	-.12	60	59	+1	S	1	0	0	63	56	b, cf	*	0.01
	Parsonstown ...	30.25	68	Z	0	b	30.21	-.09	57	56	-3	NW	2	omg	*	69	55	–	0.4	–
	Donaghadee ...	30.21	65	SW	1	cp	30.24	-.02	53	52	-9	N	2	c	1	69	52	cp	*	0.01
	Liverpool Obsy.	30.26	64	NW	1	b	30.21	-.09	59	58	-8	NNW	1	0	1	70	59	bm	*	–
	Holyhead ...	30.25	57	S	2	m	30.20	-.10	56	56	+1	NW	1	fd	1	59	54	f, m	*	–
	Pembroke (St. Ann's)	30.29	59	W	1	f	30.20	-.13	55	55	0	WSW	1	f	2	60	52	–	8.8	–
	Scilly (St. Mary's)...	30.26	67	SE	1	b	30.18	-.12	67	64	+1	E	2	b	1	70	60	b	14.7	–
	Jersey (St. Aubins)...	30.29	74	NNW	2	bm	30.17	-.18	74	65	+5	NE	1	bm	1	82	62	b, bm	14.3	–
	Portland Bill ...	30.28	68	Z	0	bm	30.22	-.12	68	63	-1	Z	0	b	0	74	62	b, bm	*	–
	Dungeness ...	30.29	65	WSW	3	bc	30.22	-.13	64	60	+1	WSW	3	b	1	68	60	b, bc	11.2	–
	Wick	30.16	60	NW	4	bc	30.11	.00	54	51	-4	W	3	0	1	70	45	–	*	0.08
	Nairn	30.14	55	W	1	0	30.16	+.04	53	49	-6	W	1	c	1	61	45	–	*	0.17
	Aberdeen ...	30.15	52	ENE	2	d	30.17	+.03	55	51	-12	W	2	c	1	71	51	o, d, or	1.4	0.38
	Leith	30.15	63	WSW	2	0	30.18	.00	56	54	-11	W	1	om	*	75	52	–	*	0.01
	North Shields ...	30.18	69	NW	3	0	30.18	-.06	55	54	-15	N	2	0	2	78	55	bc, 0	*	–
	Spurn Head ...	30.19	63	N	1	b	30.19	-.10	65	62	-1	Z	0	b	0	77	59	–	*	–
	Yarmouth ...	30.21	67	SSE	3	b	30.18	-.13	67	62	-1	NNE	3	bc	2	69	61	b	*	–
	Nottingham ...														*					
	Oxford	30.23	75	WSW	2	b	30.20	-.13	68	65	0	W	1	b	*	84	61	–	*	–
	London (Brixton)...	30.23	80	W	2	b	30.19	-.14	70	65	+1	Z	0	b	*	85	60	b	11.3	–
GERMANY, &c.	The Scaw (Skagen)	30.01	60	WNW	4	b	29.98	-.08	60	55	-2	NW	4	b	1	68	55	–	*	–
	Fanö	30.17	60	WNW	2	0	30.08	-.13	62	60	+2	SW	1	c	*	66	57	–	*	–
	Cuxhaven ...	30.21	66	WNW	3	b	30.12	-.12	63	61	+4	W	1	b	*	66	59	–	*	–
	The Helder ...	30.23	62	WSW	1	b	30.13	-.17	62	60	+2	W	1	b	1	66	55	–	*	–
	Brussels	*	*	*	*	*	30.23		70	62		SW	1	b	*	75	55	–	*	–
	Berlin	30.09	69	NW	4	b	30.07	-.05	63	60	+3	W	3	0	*	75	61	–	*	–
	Frankfürt ...	30.23	65	NW	1	0	30.19	-.05	68	63	+7	SE	2	0	*	75	61	–	*	–
	Munich	30.29	57	W	4	c	30.29	+.01	53	52	+4	W	6	0	*	59	49	–	*	0.20
FRANCE.	C. Gris Nez ...	30.29	64	W	1	b	30.20	-.14	64	58	-1	SSW	3	b	2	70	59	–	*	–
	Brest	30.26	81	NW	2	b	30.19	-.13	67	62	+3	E	2	b	2	81	64	–	*	–
	Lorient	30.23	78	SW	1	b	30.19	-.09	64	61	-4	E	1	b	1	81	57	–	*	–
	Rochefort ...	30.16	81	E	4	b	30.11	-.14	66	61	0	ENE	3	b	*	?90	59	b	*	–
	Biarritz	30.12	72	NNE	3	b	30.08	-.16	68	67	+2	Z	0	b	0	75	61	–	*	–
	Paris	30.27	75	ENE	3	b	30.24	-.11	66	60	+6	ENE	2	b	*	77	55	–	*	–
	Belfort	30.20	65	ENE	4	m	30.17	-.09	60	56	+5	ENE	6	m	*	69	53	–	*	–
	Lyons	30.15	71	N	3	b	30.15		60	55		NNW	1	b	*	75	55	–	*	–
	Nice	30.00	63	ENE	2	b	30.04	+.03	69	60	0	Z	0	b	1	79	59	–	*	–
	Perpignan ...	30.04	82	NW	3	b	30.06	-.07	70	62	0	Z	0	b	*	85	59	–	*	–
SPAN. PEN.	Corunna																		*	
	Lisbon														*				*	
	Azores (P. Deigada)																		*	
	" (Horta) ...	30.18	69	NE	2	0	30.17	.00	68	63	-1	NE	2	0	1	73	66	–	*	–

NOTE: *The Sunshine for London given in this Table is recorded on the Tower of the Wesleyan Training College, Westminster: the Sunshine entered to Dungeness is recorded at Littlestone-on-Sea.*

* *Observations for this column not generally received.*

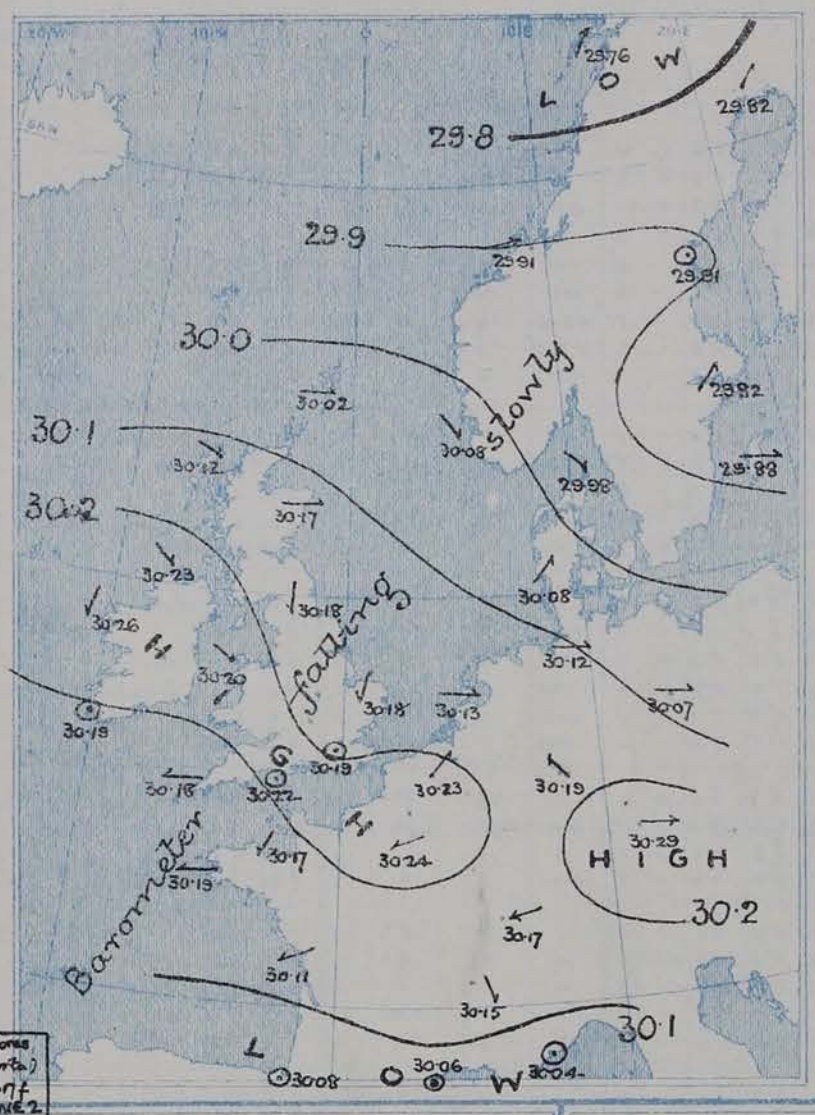
† *Observations received too late for insertion in Charts on next page.*

WEATHER CHARTS

FOR SATURDAY, 11TH JULY, 1903.

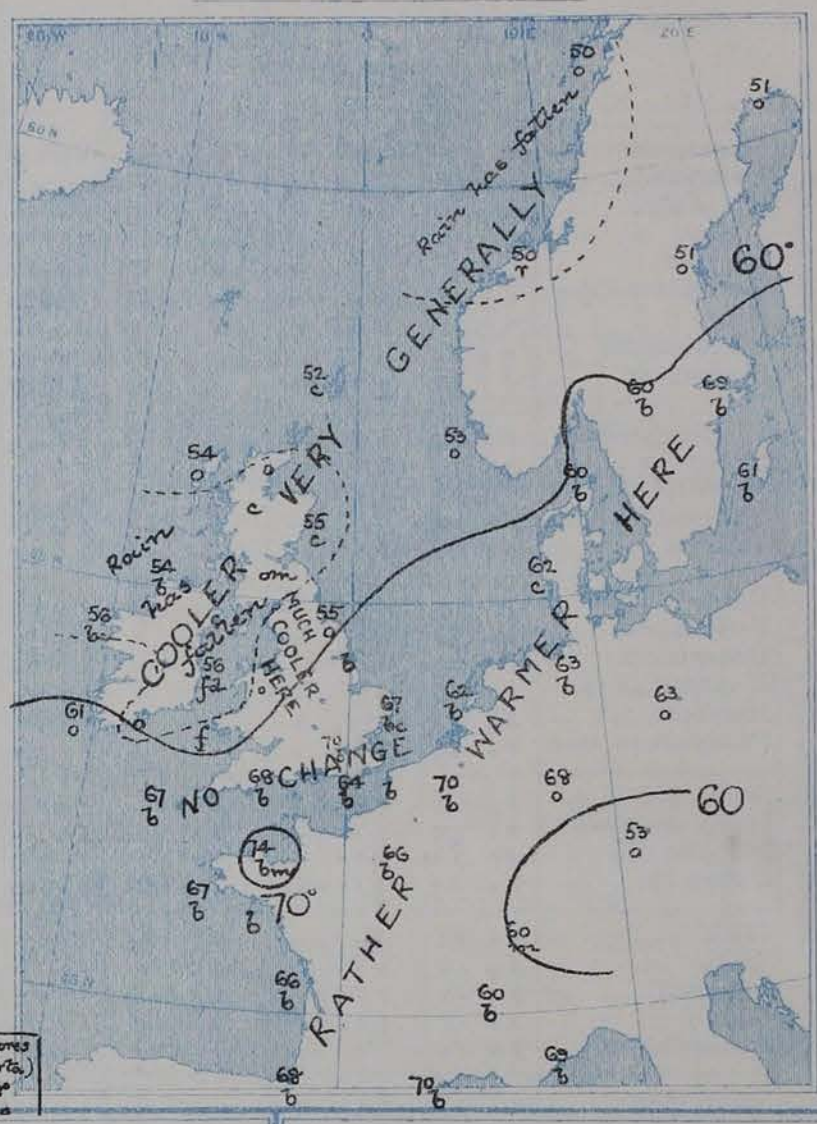
I. BAROMETER, WIND AND SEA. *This Morning.*

BAROMETER.—Isobars are drawn for each tenth of an inch.
WIND.—Arrows show Directions and Force, flying with the wind.
Force above 10 → *Force 8 to 10* → *Force 5 to 7* → *Force 1 to 4* → } Calm ⊙
SEA.—Rough *High*



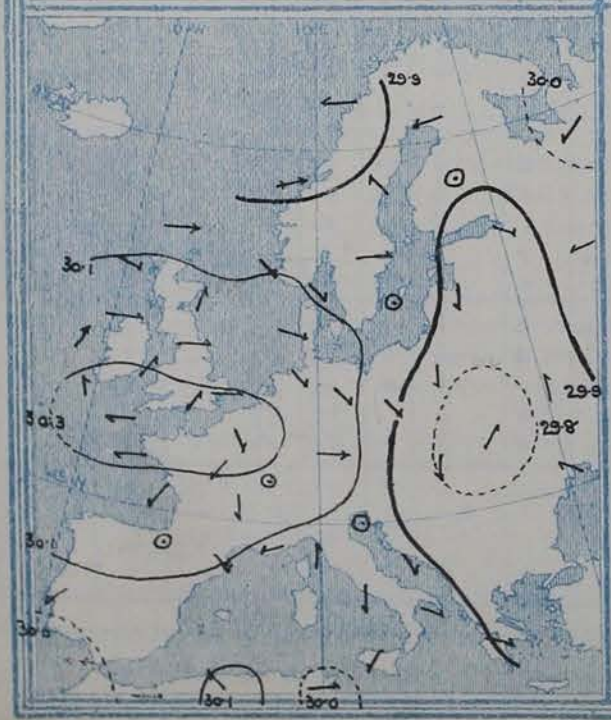
II. TEMPERATURE AND WEATHER. *This Morning.*

TEMPERATURE.—Isotherms are drawn for each 10°.
WEATHER.—Shown by Letters of the Beaufort Scale. *(See P. 4.)*
RAINFALL.—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0·6



III BAROMETER AND WIND

Yesterday morning



IV. GREATEST AND LEAST MONTHLY RAINFALL IN JULY

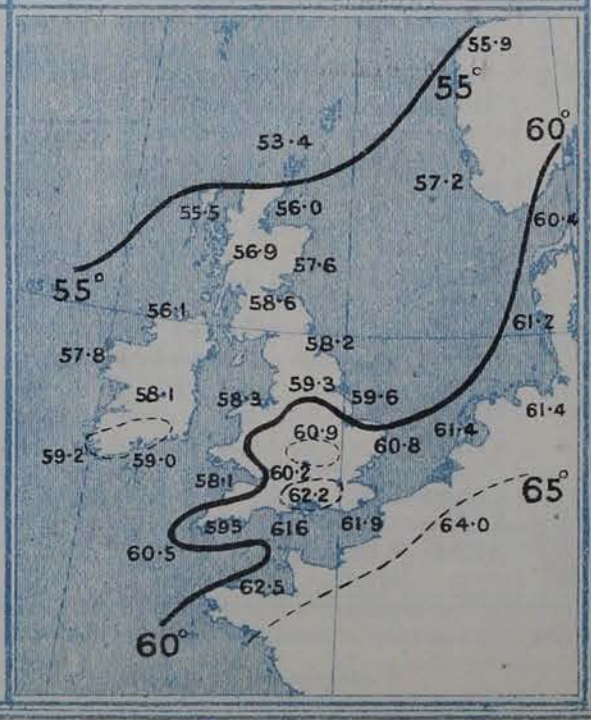
During the 32 Years 1871–1902.

Specimen (for LONDON) { *Greatest Rainfall* 5·94 (IN 1888); *Least Do* 0·51 (IN 1885)

V. *Means of* DAILY TEMPERATURE

at 8 A.M. for the Monthly period

JULY. (1871–1900.)



GENERAL SITUATION AT 8 A.M.

PRESSURE

An anticyclone still covers the greater part of Western Europe, its central area, with readings exceeding 30·3 ins., being at present situated over the southern parts of the United Kingdom, the Netherlands and the north of France. The lowest pressures (apparently below 29·8 ins.) are found in a cyclonic system with its centre off the northern parts of the Norwegian coasts. The barometer is rising over Western Europe generally, but is falling slightly in the western parts of our islands and France, and rather more decidedly in the west of Norway.

WIND

The wind is light from the Westward or Southwestward in all the more northern parts of the United Kingdom, and from the Northwestward in Denmark and Germany. In France (to the southward of the highest pressures) it draws into North and Northeast. On the Norwegian coasts the effect of the depression in that neighbourhood is shown by a Westerly gale at Christiansund and a light Easterly breeze at Bodö.

TEMPERATURE

Temperature has again risen in most places and is above 65° over the greater part of England, as well as in the east of Scotland, the highest reading reported being 70° at Shields, where the thermometer is 12° above the average level for the time of year. In London and at Bath, Portland Bill and Jersey the thermometer stands at 69°. Over Belgium, Germany and Central France the readings are still rather low, – only 49° at Munich, 55° at Belfort, 56° at Brussels and 60° at Paris.

WEATHER AND SEA

The weather is very fine over England and France, and also in the south of Sweden, but is more or less cloudy in most other parts of our area, with rain at Skudesnaes; fog is reported over the St. George's Channel. The sea is smooth generally, but is rather rough at Lindesnes Head.

During yesterday the thermometer rose to 75° and upwards in many parts of Great Britain, the highest reading reported being 79° at Oxford. Over France the readings were as a rule lower than in this country, and in Germany they were much lower, the maximum at Munich being only 50°. The amount of Bright Sunshine varied considerably in different parts of the Kingdom, the largest amount reported being 13·9 hours at Scilly.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

There are at present no signs of any important change. Anticyclonic conditions are likely to continue over all but the extreme western and northern parts of the United Kingdom, where the weather will be affected by cyclonic systems travelling north-eastwards over the northern parts of the Atlantic.

FORECASTS*

For the 24 hours ending at NOON on 11th JULY, 1903

DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	SW^ly and W^ly winds, moderate or fresh; cloudy, slight rain in places.
1 SCOTLAND EAST	SW^ly and W^ly winds, light; fair, warm.
2 ENGLAND N.E.	
3 ENGLAND EAST	Light variable airs; fine generally, very warm.
4 MIDLAND COUNTIES	
5 ENGLAND SOUTH	
6 SCOTLAND WEST	Same as No. 0.
7 ENGLAND N.W.	Same as Nos. 1 and 2.
8 ENGLAND S.W.	Variable or light E^ly breezes; fine, warm.
9 IRELAND NORTH	Light or moderate breezes, chiefly S^ly; fair in eastern parts of districts, some showers in west.
10 IRELAND SOUTH	
WARNINGS	None issued.

Note.—The **South Cone**, *point downwards* (▼), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the *North* Cone is hoisted in preference to the *South* Cone.

The **North Cone**, *point upwards* (▲), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the *South* Cone is hoisted in preference to the *North* Cone.

* *For terms for transmission of Forecasts by Telegraph, see next page*

ADDITIONAL OBSERVATIONS made at Stations in the UNITED KINGDOM.

TELEGRAPHIC REPORTS TO-DAY.	Yesterday 6 P.M.					This Morning 8 A.M.									Past 24 Hours.				
	Bar. Ins.	Temp. °	Wind Direc.	Wind Force	Weather.	Barometer. Ins	Barometer. Change	Temperature Dry.	Temperature Wet.	Temperature Change	Wind Direc.	Wind Force	Weather.	Sea.	Temperature Max.	Temperature Min.	Weather	Sunshine. Hrs.	Rainfall Ins.
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	*	*	m	*	71	57	b, bw	10·1	–
Bath	30·31	78	W	1	b	30·33	+ ·01	69	64	=	W	1	b	*	78	55	–	10·6	–

REPORTS FOR YESTERDAY.

STATIONS.	Temperature F. Max.	Temperature F. Min.	Weather.	Sunshine Hrs	Rainfall. Ins.	STATIONS.	Temperature F. Max.	Temperature F. Min.	Weather.	Sunshine. Hrs.	Rainfall. Ins.
Southport, to 9 p.m.... ...	69	58	o, c, b, o	8·2	–	Eastbourne, to 6 p.m. ...	*	*	*	3·5	*
Rhyl to 6 pm	*	*	*	7·5	*	Hastings	*	*	*	4·1	*
Llandudno	*	*	*	10·6	*	Broadstairs to 6 pm.... ...	*	*	*	8·4	
Aberystwyth, to 6 p.m. ...	67	60	bc	10·0	–	Lowestoft, to 6 p.m.... ...	65	56	o, bc, b	9·7	–
Plymouth, to 9 p.m.... ...	77	50	b	10·6	–	Harrogate, to 6 p.m. ...	78	57	c, bcv	10·7	–
Worthing	*	*	*	8·3	*	Manchester, to 9 p.m. ...	75	59	o, bc, b	8·6	–
Brighton	*	*	*	6·8	*	Darwen, to 9 p.m.	73	56	od, bc, bcw	7·3	0·01
						Birmingham, to 9 p.m. ...	77	60	c, b	9·5	–

TEMPERATURE, WEATHER, and RAINFALL at additional FOREIGN STATIONS, mainly for the 24 hours ended at 8 a.m. yesterday.

STATIONS. 9th July, 1903.	Temperature, F. Max.	Temperature, F. Min.	Weather.	Rain. Ins.	STATIONS. 8th July, 1903	Temperature, F. Dry 1 p.m.	Temperature, F. Wet	Weather. 1 p.m.	Rain. Ins. Measured 7 a.m.
Marseilles	73	59	c, o	–	Geneva	59	*	c	–
Utrecht...	55	45	o, f	–	Berne	54	*	o	0·04
Copenhagen	66	54	b, c	–	Lucerne	52	*	f	0·04
Prague	61	54	o, o	–	Coire	50	*	o	–
Vienna	59	52	f, f	0·12	Castasegna	64	*	bc	–
Buda-Pesth	63	54	o, o	0·12	Lugano	73	*	b	–
St. Petersburg	70	61	tr, o	0·59					
Rome	75	57	b, o	–					
Malta	85	66	?, o	–					
Madeira (Funchal) Not recd.									

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

TABLE SHOWING THE LOCAL STANDARD TIMES AND THE CORRESPONDING GREENWICH TIMES OF THE OBSERVATIONS RECORDED ON PAGE 1.

COUNTRIES, &c.	Hours of Morning Observations by Local Standard Time.	Corresponding Greenwich Times.	Hours of Evening Observations by Local Standard.	Corresponding Greenwich Times.
British Isles, Belgium† ...	8 a.m. (West European)	8 a.m.	6 p.m. (W.E.T.)	6 p.m.
Holland	8 a.m. („ „)	8 a.m.	7 p.m. (W.E.T.)	7 p.m.
Germany, Denmark, Norway, Sweden	8 a.m. (Mid-European)	7 a.m.	8 p.m. (M.E.T.)	7 p.m.
France	7 a.m. (Paris)	6.51 a.m.	6 p.m. (Paris)	5.51 p.m.
Spain	8 a.m. (West European)	8 a.m.	6 p.m. (W.E.T.)	6 p.m.
Portugal	8 a.m. (Lisbon)	8.36 a.m.	3.23 p.m. (Lisbon)	4 p.m.
Azores { Ponta Delgada	6 a.m. (Local)	7.43 a.m.	9 p.m. (Local)	10.43 p.m.
Azores { Horta	6 a.m. (Local)	7.55 a.m.	9 p.m. (Local)	10.55 p.m.

TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON, AND SUNSET, FOR STATIONS IN THE UNITED KINGDOM, TO-DAY.

10th July, 1903.	Sunrise G.M.T.	Noon G.M.T	Sunset G.M.T.
Yarmouth	3.43	11.58	8.14
Greenwich	3.56	12.5	8.14
Wick	3.22	12.17	9.11
Valencia	4.34	12.46	8.58

SUBSCRIPTIONS both for the Daily *and* Weekly Weather Reports *may be paid, in advance, to the* Meteorological Office.

TERMS: For Daily Weather Report, forwarded by Book Post, £1 0 0 per annum.
„ Weekly „ „ „ £1 10 0 „ Single Copies, 6d.

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FORECASTS OF WEATHER for one day in advance are drawn up at the Meteorological Office at 11 a.m., and between 7 and 8 p.m. The latest forecast can be had by Reply Telegram, on paying at any Post Office in the United Kingdom **Sixpence in addition to the cost of the inquiry and reply Telegrams.** Information as to the Terms on which Forecasts can be sent daily, for a long or short period, may be obtained on application to the Meteorological Office, 63, Victoria Street, S.W., either personally or by post.

† The evening observations in Belgium are not given on page 1.

‡ At Oxford the observations are taken at 8 p.m.

DAILY WEATHER REPORT

for 8 a.m. on Sunday 12th July. 1903.

Issued by the METEOROLOGICAL OFFICE, 63, Victoria Street, London. W. N. SHAW. *Secretary.*

	STATIONS.	YESTERDAY EVENING. (See note on last page.) Barom. At 32° and M.S.L. Ins.	Temp. Dry Bulb. °	Wind. Direc.	Wind. Force (0 to 12.)	Weather	THIS MORNING. (See note on last page.) Barometer. At 32° At 32° Fahr. and M.S.L. Ins.	Change since Yesterday. Ins.	Temperature. Dry Bulb. °	Wet Bulb. °	Change since Yesterday. °	Wind. Direc.	Wind. Force (0 to 12.)	Weather.	Sea (0 to 9.)	PAST 24 HOURS. Temp. Max. °	Temp. Min. °	Weather	Sunshine. Hours.	Rainfall. Ins.
SCANDINAVIA.	Haparanda ...	29·77	54	SW	4	†	29·59	-·23	55	52	+4	N	2	b	*	57	48	-	*	0·12
	Hernösand ...	29·81	53	N	4	o	29·76	-·15	55	48	+4	N	2	o	*	59	46	-	*	-
	Stockholm ...	29·77	60	E	2	b	29·75	-·07	59	54	-10	N	2	c	*	75	57	-	*	-
	Wisby	29·82	64	Z	0	b	29·78	-·10	58	55	-3	N	2	o	*	72	57	-	*	-
	Karlstad	29·82	63	NW	2	b	29·81	-·07	58	54	-2	NW	2	bc	*	*	*	-	*	-
	Færder (X'iania Fjord)	29·90	64	NW	2	b	29·84	-·10	58	49	-3	W	1	b	2	64	54	-	*	-
	Bodö	29·78	48	S	2	o	29·75	-·01	51	48	+1	E	2	o	1	50	46	-	*	0·04
	Christiansund ...	29·90	51	WSW	3	c	29·83	-·08	47	45	-3	WSW	2	†	3	52	45	-	*	0·35
	Skudesnaes ...	30·07	54	WNW	2	o	29·92	-·16	52	51	-1	W	4	†	2	57	48	o	*	*
BRITISH ISLANDS.	Sumburgh Head	29·96	52	W	4	c	29·82	-·20	49	47	-3	WNW	2	c	4	55	46	c	*	0·07
	Stornoway ...	30·07	58	WSW	4	o	29·96	-·16	52	50	-2	WNW	2	o	2	59	45	p,o	6·1	0·30
	Malin Head ...	30·19	55	NW	3	bcm	30·07	-·16	52	49	-2	NW	3	cp	3	59	49	b,bcm	*	0·01
	Blacksod Pt. ...	30·23	57	NNW	3	c	30·16	-·10	54	50	-2	NW	4	c	3	61	50	bc,c	*	-
	Valencia	30·15	61	N	2	o	30·16	-·03	57	52	-4	NNE	2	b	3	65	52	o	0·0	-
	Roche's Point ...	30·14	62	N	1	o	30·12	-·08	56	53	-4	N	3	b	3	64	52	o	*	0·03
	Parsonstown ...	30·18	57	NW	1	op	30·16	-·05	54	51	-3	NW	1	c	*	59	45	o,p.	0·0	0·23
	Donaghadee ...	30·18	57	N	3	c	30·09	-·15	54	52	+1	N	3	o	3	61	46	-	*	-
	Liverpool Obsy.	30·15	55	NW	2	op	30·05	-·16	55	51	-4	NW	3	bc	3	63	52	om,op.	*	0·32
	Holyhead ...	30·16	53	NE	1	dm	30·09	-·11	55	52	-1	NNE	3	bc	2	56	51	o,dm	*	0·27
	Pembroke (St. Ann's)	30·13	57	N	4	f	30·03	-·17	57	54	+2	NNE	6	ogq	4	62	53	-	1·2	0·08
	Scilly (St. Mary's)...	30·10	67	ENE	3	b	30·02	-·16	63	61	-4	NE	4	of	1	72	60	b	12·7	-
	Jersey (St. Aubins)...	30·12	75	NNW	3	bm	29·98	-·19	67	61	-7	W	3	bm	3	82	63	b,bm	14·5	-
	Portland Bill ...	30·12	68	Z	0	bm	29·99	-·23	65	62	-3	NNE	2	f	1	74	58	bm	*	-
	Dungeness ...	30·11	67	WSW	2	b	29·93	-·29	70	65	+6	NNW	2	m	0	71	56	b	13·3	-
	Wick	30·04	56	W	4	c	29·92	-·19	51	48	-3	NW	4	c	2	61	47	-	*	0·05
	Nairn	30·08	58	W	2	bc	29·96	-·20	53	50	0	W	1	c	1	61	47	-	*	0·03
	Aberdeen ...	30·08	57	S	3	c	29·96	-·21	54	50	-1	WNW	2	cv	1	61	47	c	3·0	-
	Leith	30·09	63	WNW	2	bc	29·98	-·20	58	52	+2	WSW	3	bc	*	66	46	-	*	-
	North Shields ...	30·12	55	NE	2	o	29·99	-·19	55	51	0	WNW	2	c	2	57	51	o	*	-
GERMANY, &c.	Spurn Head ...	30·09	58	SE	3	b	29·98	-·21	55	54	-10	N	3	o	2	67	54	blr,b	*	0·90
	Yarmouth ...	30·07	65	SE	3	b	29·93	-·25	62	59	-5	NNE	4	c	3	69	56	b,l	*	-
	Nottingham ...														*					
	Oxford	30·05	74	W	2	bc	30·02	-·18	58	55	-10	NNW	3	fg	*	83	58	b,bc,c	*	-
	London (Brixton)...	30·06	81	SW	3	b	29·98	-·21	63	61	-7	N	1	o	*	85	62	b,o	12·4	-
	The Scaw (Skagen)	29·91	59	NW	3	b	29·88	-·10	58	52	-2	NW	2	b	0	64	55	-	*	-
	Fanö	30·10	52	NW	2	b	30·00	-·08	57	51	-5	NW	2	c	*	64	52	-	*	-
	Cuxhaven ...	30·10	63	NW	3	b	30·01	-·11	57	53	-6	E	2	o	*	70	55	-	*	-
	The Helder ...	30·08	61	NE	2	b	29·89	-·24	60	59	-2	E	1	c	1	70	59	-	*	1·58
	Brussels	*	*	*	*	*	29·92	-·31	72	67	+2	SSW	1	b	*	82	63	-	*	-
	Berlin	29·98	66	W	2	†	29·97	-·10	60	56	-3	WNW	2	b	*	81	55	-	*	0·08
	Frankfürt ...	30·06	71	N	1	b	29·96	-·23	68	63	0	E	1	b	*	82	61	-	*	-
	Munich	30·20	63	SW	5	b	30·11	-·18	64	61	+11	Z	0	b	*	70	52	-	*	-
FRANCE.	C. Gris Nez ...	30·11	68	SW	2	b	29·95	-·25	65	60	+1	SSW	2	b	1	73	61	-	*	-
	Brest	30·09	77	NNW	2	b	29·95	-·24	68	64	+1	NE	2	b	1	82	61	-	*	-
	Lorient	30·06	81	NW	1	b	29·93	-·26	68	64	+4	E	1	b	0	91	64	-	*	-
	Rochefort ...	29·98	85	E	3	b	29·89	-·22	68	63	+2	E	3	b	*	95	63	b	*	-
	Biarritz	29·97	77	Z	0	b	29·91	-·17	71	71	+3	Z	0	b	0	79	66	-	*	-
	Paris	30·10	80	ESE	2	b	29·95	-·29	71	63	+5	E	1	b	*	85	57	-	*	-
	Belfort	30·04	73	ENE	5	m	29·97	-·20	66	60	+6	ENE	4	m	*	77	59	-	*	-
	Lyons	30·06	77	NE	1	b	30·00	-·15	64	55	+4	SE	2	b	*	81	57	-	*	-
	Nice	30·06	69	SW	2	b	30·05	+·01	69	61	0	W	1	b	0	77	63	-	*	-
	Perpignan ...	30·04	75	E	2	b	30·01	-·05	67	64	-3	NE	1	c	*	82	64	-	*	-
SPAN. PEN.	Corunna	29·98	69	WSW	3	b	29·99	·00	69	64	-1	SSE	3	b	5	77	66	-	*	-
	Lisbon	30·03	77	NW	1	b	30·03	+·07	?66	61	-9	NW	1	o	*	77	54	-	*	-
	Azores (P. Delgada)	30·23	68	NNE	2	o	30·25	+·12	67	64	+1	NNE	3	o	1	72	64	-	*	-
	" (Horta) ...	30·27	68	S	1	o	30·28	+·11	68	63	0	S	1	o	2	75	66	-	*	-

NOTE: *The Sunshine for London given in this Table is recorded on the Tower of the Wesleyan Training College, Westminster: the Sunshine entered to Dungeness is recorded at Littlestone-on-Sea.*

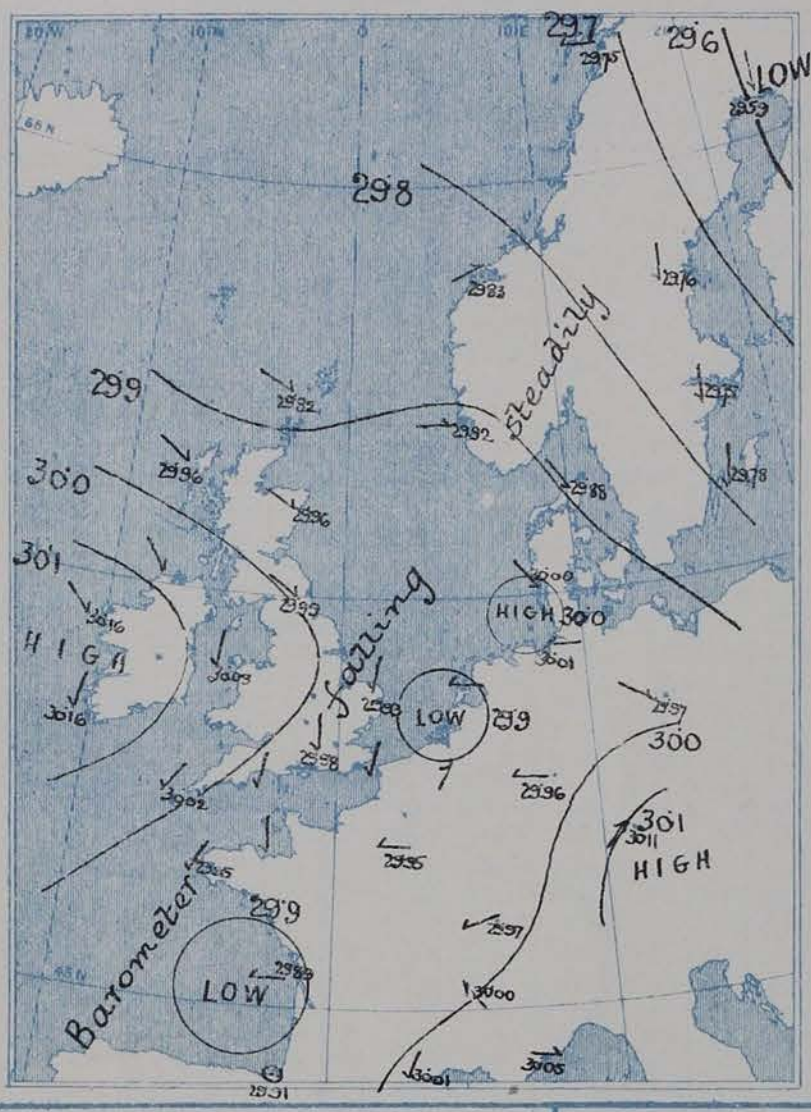
* *Observations for this column not generally received.* † *Observations received too late for insertion in Charts on next page.*

WEATHER CHARTS

FOR SUNDAY, 12th JULY, 1903.

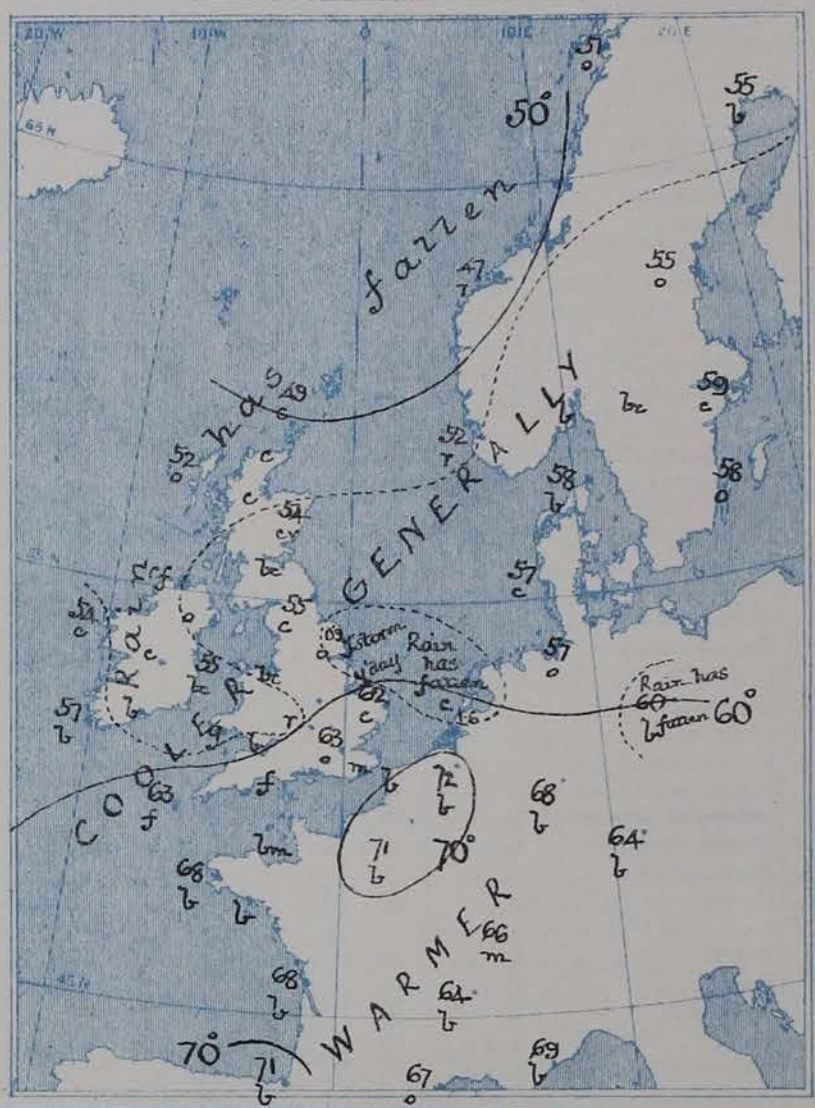
I. BAROMETER, WIND AND SEA. *This Morning.*

BAROMETER.—Isobars are drawn for each tenth of an inch.
WIND.—Arrows show Directions and Force, flying with the wind.
Force above 10 — *Force 8 to 10* — *Force 5 to 7* — *Force 1 to 4* — Calm ⊙
SEA.—Rough *High*



II. TEMPERATURE AND WEATHER. *This Morning.*

TEMPERATURE.—Isotherms are drawn for each 10°.
WEATHER.—Shown by Letters of the Beaufort Scale. *(See P. 4.)*
RAINFALL.—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—·06



III BAROMETER AND WIND

Yesterday morning.

IV. GREATEST AND LEAST MONTHLY RAINFALL IN JULY

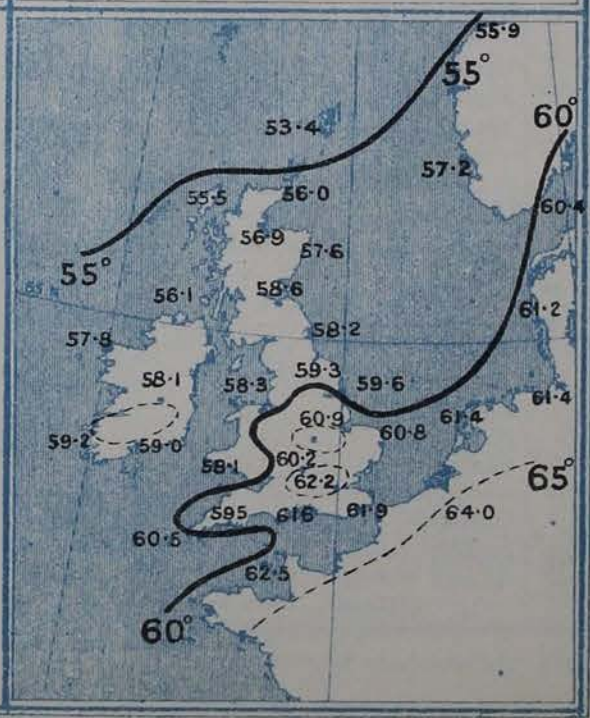
During the 32 Years 1871–1902.

Specimen (for LONDON) { *Greatest Rainfall* 5·94 (IN 1888); *Least Do* 0·51 (IN 1885)

V. *Means of* DAILY TEMPERATURE

at 8 A.M. for the Monthly period

JULY. (1871–1900.)



GENERAL SITUATION AT 8 A.M.

PRESSURE

The anticyclone over Western Europe appears to be gradually breaking up. The highest pressures, 30·2 ins. and upwards are now found in two areas, — one lying over South Germany and the other over Ireland, Wales the south of England and the northeast of France, but the barometer is falling slowly in nearly all parts of our area. The lowest pressures, 29·8 ins. and less, are reported in a shallow cyclonic system over the north of Norway; another shallow disturbance with readings below 29·9 ins. is lying over the south of Sweden.

WIND

The wind is light to moderate from between West and North over all the more northern parts of the United Kingdom, and also over Denmark, Germany and the south of Scandinavia, but is strong from the South Westward in the west of Norway. In the south of our islands it is very variable, while in France it is light from the Eastward or North Eastward.

TEMPERATURE

Temperature has fallen in all the more northern parts of our area, — briskly in the north of England and the east of Scotland. The readings are now below the average in the northern parts of the Kingdom, the thermometer being below 55° on our extreme north and northwest coasts; at Dumbugh Head it stands at 52°, and at Nairn and Donaghadee at 53°. In the east and south of England scarcely any change has occurred and the readings are therefore still very high, the thermometer being above 65° in most places, and as high as 70° in London and 74° at Jersey. In France and Germany the thermometer has risen and is also above 65° at many stations.

WEATHER AND SEA

The weather is fair or fine over Western Europe generally but is dull in the south of Ireland and the north of Scotland, as well as at many of the Scandinavian stations, with rain at Christiansund. Fog still prevails in the St. George's Channel. The sea is smooth generally, but moderate off the Shetlands and the west of Norway.

During yesterday the thermometer rose to 80° and upwards over the central and southern parts of England and to 85° in London. Similarly high temperatures were recorded in the west and south of France. Rain has fallen in many parts of Ireland and Scotland and also in the west of Norway.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The general appearance is less settled than of late. The anticyclone is giving way, and there is a tendency for shallow low pressure systems to spread over Western Europe from the northward. The cool cloudy weather which has ~~already~~ set in over the northern parts of the United Kingdom is likely to extend southwards; unsettled conditions are probable over England, with rain and thunder in places.

FORECASTS*

For the 24 hours ending at NOON on 12TH JULY, 1903

DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH 1 SCOTLAND EAST	W^ly and NW^ly winds, light or moderate; cool, cloudy, some showers.
2 ENGLAND N.E.	NW^ly winds, light; cooler, cloudy, some showers, thunder locally.
3 ENGLAND EAST 4 MIDLAND COUNTIES 5 ENGLAND SOUTH	Light variable airs; fine and warm at first, cloudy later and much cooler, with some rain and probably thunder.
6 SCOTLAND WEST	NW^ly winds, light or moderate; fair at first, some showers later.
7 ENGLAND N.W.	Same as No. 2.
8 ENGLAND S.W.	Variable or light NE^ly airs; fine and warm at first, cloudy and cooler later, with local thundershowers.
9 IRELAND NORTH	Same as No. 6.
10 IRELAND SOUTH	Light variable airs; cloudy, local showers.
WARNINGS	None issued.

Note.—The **South Cone**, *point downwards* (▼), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the *North* Cone is hoisted in preference to the *South* Cone.

The **North Cone**, *point upwards* (▲), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the *South* Cone is hoisted in preference to the *North* Cone.

* *For terms for transmission of Forecasts by Telegraph, see next page.*

ADDITIONAL OBSERVATIONS made at Stations in the UNITED KINGDOM.

TELEGRAPHIC REPORTS TO-DAY.	Yesterday 6 p.m.					This Morning 8 a.m.									Past 24 Hours.				
	Bar. Ins.	Temp. °	Wind Direc^n	Wind Force	Weather.	Barometer. Ins.	Barometer. Change	Temperature Dry.	Temperature Wet.	Temperature Change	Wind Direc^n	Wind Force	Weather.	Sea.	Temperature Max.	Temperature Min.	Weather	Sunshine. Hrs.	Rainfall Ins.
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	*	*	bw	*	72	60	b	13.5	-
Bath	30.26	72	w	2	b	30.21	- .12	69	? 66	0	w	1	b	*	82	57	-	14.0	-

REPORTS FOR YESTERDAY.

STATIONS.	Temperature F. Max.	Temperature F. Min.	Weather.	Sunshine Hrs.	Rainfall. Ins.	STATIONS.	Temperature F. Max.	Temperature F. Min.	Weather.	Sunshine. Hrs.	Rainfall. Ins.
	°	°					°	°			
Southport, to 9 p.m.... ...	65	55	o, c, b	6.0	-	Eastbourne, to 6 p.m. ...	*	*	*	12.8	*
Rhyl to 6 pm	*	*	*	9.0	*	Hastings	*	*	*	12.3	*
Llandudno	*	*	*	15.5	*	Broadstairs	*	*	*	12.5	-
Aberystwyth, to 6 p.m. ...	68	61	c	14.0	-	Lowestoft, to 6 p.m.... ...	72	53	b, c	13.0	-
Plymouth, to 9 p.m.... ...	72	57	b	13.6	-	Harrogate, to 6 p.m. ...	77	57	bc, bv	12.0	-
Worthing	*	*	*	11.5	*	Manchester, to 9 p.m. ...	78	55	b	13.0	-
Brighton to 6 p.m.	*	*	*	11.8	*	Darwen, to 9 p.m.	74	55	c, omb, omw	6.3	-
						Birmingham, to 9 p.m. ...	84	60	b	13.3	-

TEMPERATURE, WEATHER, and RAINFALL at additional FOREIGN STATIONS, mainly for the 24 hours ended at 8 a.m. yesterday.

STATIONS. 10th July 1903.	Temperature, F. Max.	Temperature, F. Min.	Weather.	Rain. Ins.	STATIONS. 9th July 1903	Temperature, F. Dry. 1 p.m.	Temperature, F. Wet.	Weather. 1 p.m.	Rain. Ins. Measured 7 a.m.
Marseilles	81	54	b, b	—	Geneva	66	*	f	—
Utrecht...	66	52	o, o	—	Berne	63	*	o	0.20
Copenhagen	64	54	o, c	—	Lucerne	59	*	c	0.98
Prague	64	54	r, r	1.02	Coire	52	*	c	0.63
Vienna	57	54	r, r	1.54	Castasegna	64	*	o	—
Buda-Pesth	64	55	o, o	—	Lugano	73	*	bc	—
St. Petersburg	75	64	o, o	—					
Rome	78	53	b, c	—					
Malta ... ... } Not rec^d									
Madeira (Funchal) }									

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

TABLE SHOWING THE LOCAL STANDARD TIMES AND THE CORRESPONDING GREENWICH TIMES OF THE OBSERVATIONS RECORDED ON PAGE 1.

COUNTRIES, &c.	Hours of Morning Observations by Local Standard Time.	Corresponding Greenwich Times.	Hours of Evening Observations by Local Standard.	Corresponding Greenwich Times.
British Isles, Belgium† ...	8 a.m. (West European)	8 a.m.	6 p.m.‡ (W.E.T.)	6 p.m.‡
Holland	8 a.m. („ „)	8 a.m.	7 p.m. (W.E.T.)	7 p.m.
Germany, Denmark, Norway, Sweden	8 a.m. (Mid-European)	7 a.m.	8 p.m. (M.E.T.)	7 p.m.
France	7 a.m. (Paris)	6.51 a.m.	6 p.m. (Paris)	5.51 p.m.
Spain	8 a.m. (West European)	8 a.m.	6 p.m. (W.E.T.)	6 p.m.
Portugal	8 a.m. (Lisbon)	8.36 a.m.	3.23 p.m. (Lisbon)	4 p.m.
Azores { Ponta Delgada	6 a.m. (Local)	7.43 a.m.	9 p.m. (Local)	10.43 p.m.
Azores { Horta	6 a.m. (Local)	7.55 a.m.	9 p.m. (Local)	10.55 p.m.

TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON, AND SUNSET, FOR STATIONS IN THE UNITED KINGDOM, TO-DAY.

11th July, 1903.	Sunrise G.M.T.	Noon G.M.T.	Sunset G.M.T.
Yarmouth	3.44	11.58	8.13
Greenwich	3.57	12.5	8.13
Wick	3.23	12.17	9.10
Valencia	4.35	12.46	8.58

SUBSCRIPTIONS both for the Daily *and* Weekly Weather Reports *may be paid, in advance, to the* Meteorological Office.

TERMS: For Daily Weather Report, forwarded by Book Post, £1 0 0 per annum.
„ Weekly „ „ „ £1 10 0 „ Single Copies, 6d.

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FORECASTS OF WEATHER for one day in advance are drawn up at the Meteorological Office at 11 a.m., and between 7 and 8 p.m. The latest forecast can be had by Reply Telegram, on paying at any Post Office in the United Kingdom **Sixpence in addition to the cost of the inquiry and reply Telegrams.** Information as to the Terms on which Forecasts can be sent daily, for a long or short period, may be obtained on application to the Meteorological Office, 63, Victoria Street, S.W., either personally or by post.

† The evening observations in Belgium are not given on page 1.

‡ At Oxford the observations are taken at 8 p.m.

DAILY WEATHER REPORT

for 8 a.m. on Monday, 13th July, 1903.

Issued by the METEOROLOGICAL OFFICE, 63, Victoria Street, London. W. N. SHAW, Secretary.

	STATIONS.	YESTERDAY EVENING. (See note on last page.) Barom. At 32° and M.S.L. Ins.	Temp. Dry Bulb. °	Wind. Direc.	Wind. Force (0 to 12.)	Weather	THIS MORNING. (See note on last page.) Barometer. At 32° Fahr. and M.S.L. Ins.	Change since Yesterday. Ins.	Temperature. Dry Bulb. °	Wet Bulb. °	Change since Yesterday. °	Wind. Direc.	Wind. Force (0 to 12.)	Weather.	Sea (0 to 9.)	PAST 24 HOURS. Temp. Max. °	Temp. Min. °	Weather	Sunshine. Hours.	Rainfall. Ins.
SCANDINAVIA.	Haparanda ...	29.52	54	W	2	c	29.48	-.11	57	52	+2	N	1	bc	*	66	50	-	*	-
	Hernösand ...	29.60	55	Z	0	b	29.49	-.27	53	49	-2	E	2	b	*	66	48	-	*	0.12
	Stockholm ...	29.65	58	S	2	r	29.50	-.25	59	55	0	W	2	b	*	68	48	-	*	0.20
	Wisby	29.66	59	SE	2	b	29.63	-.15	56	51	-2	W	2	bc	*	64	54	-	*	-
	Karlstad	29.61	59	SW	4	bc	29.50	-.31	55	53	-3	WSW	2	b	*	*	*	-	*	-
	Færder (Kristiania Fjord)	29.54	?	W	?	?	29.54	-.30	54	45	-4	W	4	b	?	?	?	-	*	-
	Bodö	29.71	49	SW	1	bc	29.61	-.14	49	45	-2	N	2	bc	1	51	45	-	*	-
	Christiansund ...	29.68	48	WNW	4	r	29.62	-.21	46	44	-1	N	3	r	3	52	45	-	*	0.24
	Skudesnaes ...	29.76	50	NW	6	r	29.69	-.23	47	45	-5	NW	7	r	2	52	46	-	*	*
BRITISH ISLANDS.	Sumburgh Head	29.82	50	WNW	3	bc	29.73	-.09	48	45	-1	WNW	4	c	4	53	44	c, bc	*	0.01
	Stornoway ...	29.92	57	WNW	4	o	29.89	-.07	49	46	-3	Z	0	o	0	57	39	o	5.4	0.02
	Malin Head ...	30.00	55	WNW	4	c	29.94	-.13	53	50	+1	WNW	4	o	3	57	50	c	*	0.03
	Blacksod Pt. ...	30.10	55	NW	4	cp	30.05	-.11	54	49	0	NW	4	c	3	59	50	c, cp	*	0.03
	Valencia	30.14	58	NNW	4	bc	30.11	-.05	56	51	-1	NW	2	o	3	62	51	-	9.7	-
	Roche's Point ...	30.08	62	NNW	4	c	30.08	-.04	55	52	-1	N	4	o	3	65	51	c	*	-
	Parsonstown ...	30.07	60	NW	2	bc	30.05	-.11	55	52	+1	NW	2	bc	*	68	49	b, bc	7.0	-
	Donaghadee ...	30.02	56	NE	2	c	29.93	-.16	54	52	0	W	2	c	3	56	50	-	*	0.01
	Liverpool Obsy.	29.99	55	WNW	3	bc	29.94	-.11	54	50	-1	WNW	4	o	3	59	52	bc	*	-
	Holyhead ...	30.03	57	NW	1	c	29.96	-.13	56	52	+1	NW	4	bc	3	59	51	c	*	-
	Pembroke (St. Ann's)	30.02	58	NNE	5	bc	30.01	-.02	54	52	-3	NW	4	bc	3	61	52	-	9.9	-
	Scilly (St. Mary's)...	30.02	61	N	5	c	30.04	+.02	60	58	-3	NNW	4	c	2	68	57	o, c	8.5	-
	Jersey (St. Aubins)...	29.93	71	N	3	bcm	30.00	+.02	60	53	-7	NNW	4	bc	3	75	56	c, bcm	12.5	-
	Portland Bill ...	29.94	65	NNW	2	bc	30.00	+.01	56	52	-9	NW	2	b	1	72	52	c, bc	*	-
	Dungeness ...	29.89	63	E	3	c	29.90	-.03	58	52	-12	NNW	3	bc	1	73	49	bc, c	4.3	-
	Wick	29.88	53	NW	3	c	29.83	-.09	50	48	-1	N	3	bc	1	58	39	-	*	0.03
	Nairn	29.89	57	SW	1	c	29.87	-.09	52	49	-1	W	1	b	1	60	46	-	*	0.03
	Aberdeen ...	29.88	54	SW	1	cp	29.86	-.10	50	46	-4	NW	3	cr	1	60	45	c, cp	2.6	0.01
	Leith	29.89	63	WNW	3	c	29.87	-.11	56	51	-2	Z	0	or	*	67	48	-	*	0.09
	North Shields ...	29.90	55	ENE	1	c	29.86	-.13	53	49	-2	NW	2	c	2	61	48	-	*	-
	Spurn Head ...	29.93	55	ENE	3	bc	29.85	-.13	55	52	0	WNW	5	bc	3	61	52	-	*	-
	Yarmouth ...	29.90	58	N	4	og	29.84	-.09	57	54	-5	WNW	4	c	3	67	50	o, og	*	0.02
	Nottingham ...														*					
	Oxford	29.93	59	NNW	2	b	29.95	-.07	56	50	-2	NW	2	c	*	68	46	r, c, b	*	0.01
	London (Brixton)...	29.90	65	NW	1	o	29.92	-.06	58	50	-5	NW	3	bc	*	67	47	op, o, b	0.0	0.01
GERMANY, &c.	The Scaw (Skagen)	29.71	54	WNW	4	c	29.60	-.28	55	48	-3	NW	4	bc	1	61	54	-	*	-
	Fanö	29.83	53	WNW	1	b	29.75	-.25	56	51	-1	WNW	3	c	*	61	52	-	*	0.08
	Cuxhaven ...	29.84	60	N	1	o	29.76	-.25	57	54	0	W	2	bc	*	61	55	br, o	*	0.08
	The Helder ...	29.82	59	N	2	o	29.79	-.10	58	55	-2	NNW	2	bc	2	63	57	-	*	-
	Brussels	*	*	*	*	*	29.86	-.06	59	53	-13	NW	2	c	*	82	55	-	*	-
	Berlin	29.77	63	Z	0	b	29.71	-.26	58	55	-2	NNE	2	o	*	73	55	-	*	0.08
	Frankfürt ...	29.73	67	NE	1	o	29.72	-.24	65	62	-3	SW	2	o	*	90	61	-	*	0.87
	Munich	29.86	68	SW	2	b	29.83	-.28	64	58	0	SW	4	c	*	79	61	-	*	0.04
FRANCE.	C. Gris Nez ...	29.90	61	E	3	o	29.89	-.06	55	53	-10	WNW	2	b	1	65	54	-	*	-
	Brest	29.93	72	NE	3	b	30.03	+.08	58	53	-10	N	4	b	3	79	52	-	*	-
	Lorient	29.88	82	E	2	c	29.99	+.06	59	55	-9	N	3	b	2	90	57	-	*	-
	Rochefort ...	29.82	74	NW	3	b	29.86	-.03	68	64	0	NNE	4	b	*	86	64	b	*	-
	Biarritz	29.83	75	WSW	1	b	29.90	-.01	68	68	-3	WSW	4	bc	2	79	64	b, o	*	-
	Paris	29.82	68	N	2	b	29.91	-.04	57	56	-14	NNE	2	o	*	89	56	-	*	0.28
	Belfort	29.77	78	WSW	4	m	29.80	-.17	64	59	-2	WSW	4	c	*	84	62	-	*	-
	Lyons	29.82	77	S	3	b	29.83	-.17	71	60	+7	S	1	c	*	85	63	-	*	-
	Nice	29.93	68	Z	0	b	29.86	-.19	69	62	0	SW	1	bc	0	75	63	-	*	-
	Perpignan ...	29.89	72	SE	2	o	29.86	-.15	70	67	+3	SE	1	o	*	80	64	br, o	*	0.04
SPAN. PEN.	Corunna																		*	
	Lisbon	30.04	68	NW	3	o	29.96	-.07	67	61	-4	NW	3	o	*	77	66	-	*	-
	Azores (P. Delgada)																		*	
	,, (Horta) ...	30.33	70	SSW	1	o	30.30	+.02	70	64	+2	SSW	2	o	1	77	68	-	*	-

NOTE: *The Sunshine for London given in this Table is recorded on the Tower of the Wesleyan Training College, Westminster; the Sunshine entered to Dungeness is recorded at Littlestone-on-Sea.*

* *Observations for this column not generally received.*

† *Observations received too late for insertion in Charts on next page.*

WEATHER CHARTS

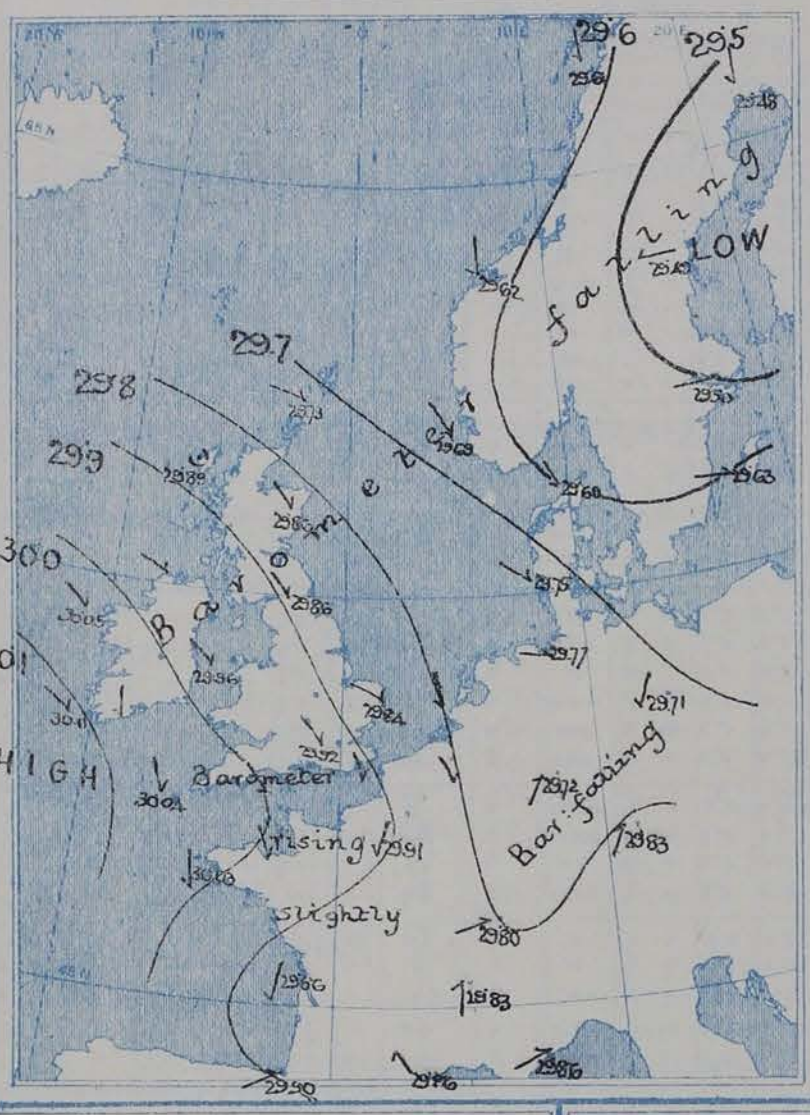
FOR MONDAY, 13TH JULY, 1903.

I. BAROMETER, WIND AND SEA. *This Morning.*

BAROMETER.—Isobars are drawn for each tenth of an inch.
WIND.—Arrows show Directions and Force, flying with the wind.

Force above 10 ⟶ *Force 5 to 7* ⟶ } Calm ⊙
Force 8 to 10 ⟶ *Force 1 to 4* ⟶

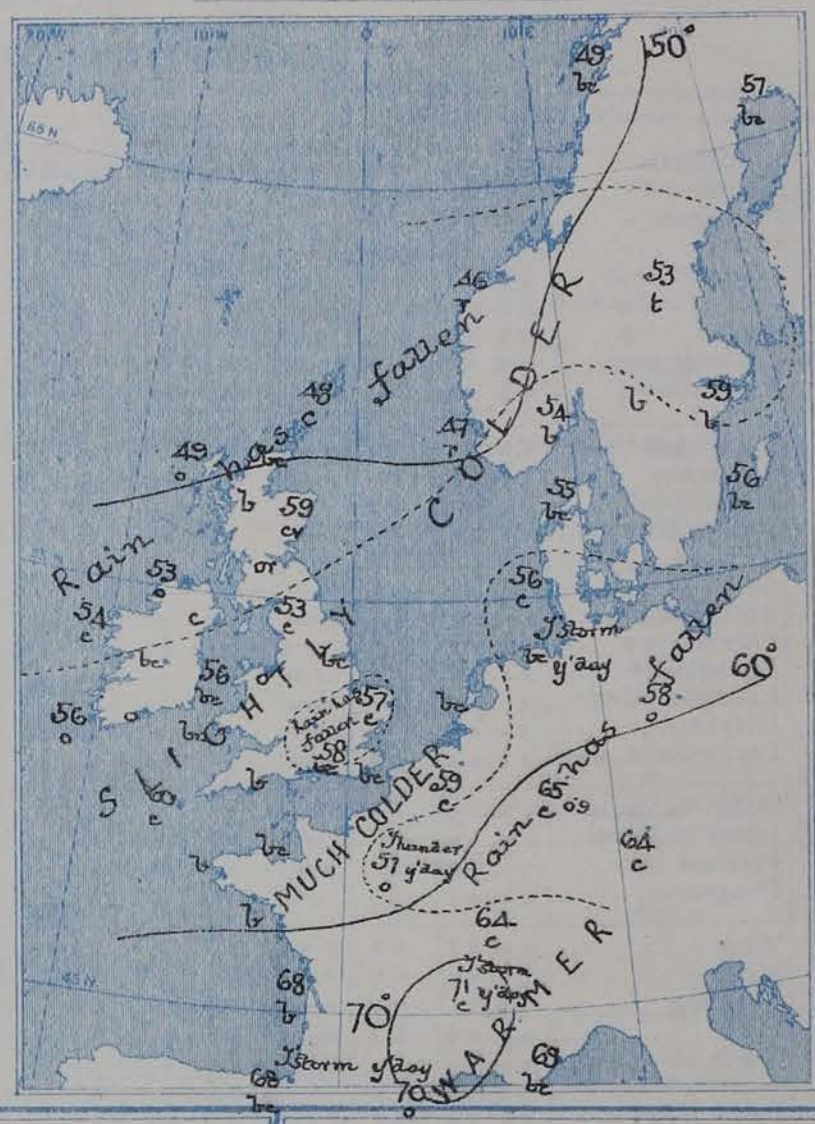
SEA.—Rough *High*



II. TEMPERATURE AND WEATHER. *This Morning.*

TEMPERATURE.—Isotherms are drawn for each 10°.
WEATHER.—Shown by Letters of the Beaufort Scale. *(See P. 4.)*

RAINFALL.—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0·6



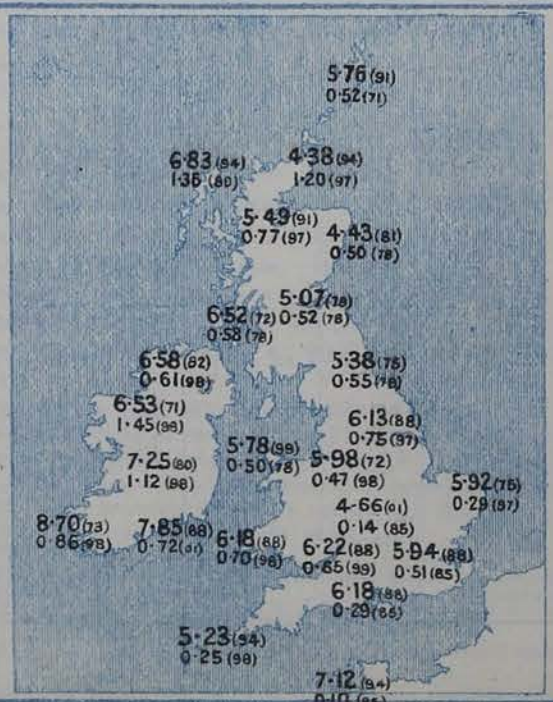
III. BAROMETER AND WIND

Yesterday morning.

IV. GREATEST AND LEAST MONTHLY RAINFALL IN JULY

During the 32 Years 1871–1902.

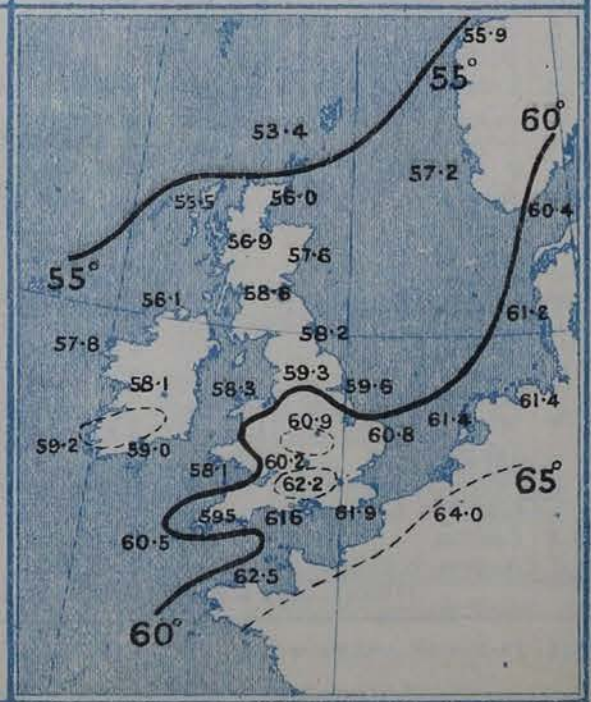
Specimen (for LONDON) { *Greatest Rainfall* 5·94 (IN 1888) / *Least Do* 0·51 (IN 1885)



V. *Means of* DAILY TEMPERATURE

at 8 A.M. for the Monthly period

JULY. (1871–1900.)



GENERAL SITUATION AT 8 A.M.

PRESSURE

The barometer has been falling steadily throughout our islands during the past 24 hours. An anticyclone whose centre lies to the west of Ireland still covers the greater part of the kingdom; in Ireland the readings are over 30·1 ins. A low pressure system in which the readings are under 29·6 ins lies over Lapland. An area of relatively high pressure, over 30·0 ins. is shown over the east and southeast of our area. In the region between these two "highs" pressure is everywhere above 29·9 ins. A very shallow secondary cyclonic system is shown over the Dutch coast and there are signs of another over the southern parts of the Bay of Biscay and over the North Sea.

WIND

The wind over the southern half of our islands blows from a Northerly direction towards the low pressure area in the southwest. In intensity it is light or moderate generally, but it is strong at Pembroke. From France and Germany light Easterly winds are reported also blowing towards the same low pressure system. Over Scotland and Norway a light NWⁿ air current is shown. In spite of the fact that the pressure is relatively high over our islands the weather is cloudy or dull at most stations; rain is falling at Oxford and showers are reported from Malin Head. Fog or mist prevails on the south coast. In France and Belgium, i.e. in the region from which the lowest pressures are reported, fine weather prevails, but in Holland and Northwest Germany, in the neighbourhood of the small depression noticed above it is dull. Over 1·5 inches of rain fell at the Helder during the past 24 hours. Over Scandinavia the conditions are very varied; rain is falling on the west coast, further east it is fine, but in the extreme east it is again dull.

TEMPERATURE

Temperature has fallen at most stations in the British Isles, and in the south under the influence of the Northerly breeze the fall has been considerable. The highest reading reported is 70° at Dungeness. In France the readings are slightly higher to day than yesterday, Paris and Biarritz both record 71°.

WEATHER AND SEA

Very high temperatures were experienced yesterday in the south of England and in France and Germany. In London and Paris the thermometer rose to 85°, Berlin records 81°, while at Rochefort 95° was reached. In Ireland, Scotland and the north of England the temperature remained below 65°, at Holyhead 56° was the maximum recorded. Rain fell in many places in this part of the country, over 0·20 in. is reported from five stations. A thunderstorm broke over the neighbourhood of Spurnhead yesterday afternoon; the rainfall at this station was 0·9 in. Over 10 hours of sunshine were recorded at most stations in the south of England, but in the north and in Ireland the amounts were small. The sea is moderate off Lembrough Head and in the Bristol Channel, smooth or light elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

FORECASTS※

For the 24 hours ending at NOON on 13TH JULY, 1903

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	None issued.	6 SCOTLAND WEST	None issued.
1 SCOTLAND EAST		7 ENGLAND N.W.	
2 ENGLAND N.E.		8 ENGLAND S.W.	
3 ENGLAND EAST		9 IRELAND NORTH	
4 MIDLAND COUNTIES		10 IRELAND SOUTH	
5 ENGLAND SOUTH		WARNINGS	None issued.

Note.—The **South Cone**, *point downwards* (▼), means that gales, or strong winds, are probable, at first from the Southward (from S.E round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the *North* Cone is hoisted in preference to the *South* Cone.

The **North Cone**, *point upwards* (▲), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the *South* Cone is hoisted in preference to the *North* Cone.

※ *For terms for transmission of Forecasts by Telegraph, see next page*

ADDITIONAL OBSERVATIONS made at Stations in the UNITED KINGDOM.

TELEGRAPHIC REPORTS TO-DAY.	Yesterday 6 p.m.					This Morning 8 a.m.									Past 24 Hours.				
	Bar. Ins.	Temp. °	Wind Direct.	Wind Force	Weather.	Barometer Ins.	Barometer Change	Temperature Dry.	Temperature Wet.	Temperature Change	Wind Direct.	Wind Force	Weather.	Sea.	Temperature Max.	Temperature Min.	Weather	Sunshine. Hrs.	Rainfall Ins.
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	*	*	cw	*	71	57	b,bc,b	12·6	–
Bath	30·04	72	W	2	b	29·99	–·22	59	56	–10	W	1	b	*	81	59	–	12·2	0·01

REPORTS FOR YESTERDAY.

STATIONS.	Temperature F. Max.	Temperature F. Min.	Weather.	Sunshine. Hrs.	Rainfall. Ins.
Southport, to 9 p.m.... ...	61°	53°	o,od,obl+	0·0	0·42
Rhyl, to 6 p.m.	Not rec^d	*	*		*
Llandudno	*	*	*	0·0	*
Aberystwyth, to 6 p.m. ...	Not rec^d				
Plymouth, to 9 p.m.... ...	Not rec^d				
Worthing	*	*	*	13·5	*
Brighton	Not rec^d	*	*		*
Eastbourne, to 6 p.m. ...	Not rec^d	*	*		*
Hastings	*	*	*	13·6	*

STATIONS.	Temperature F. Max.	Temperature F. Min.	Weather.	Sunshine. Hrs.	Rainfall. Ins.
Broadstairs...	*	*	*	11·5	*
Margate	82	60	b	11·3	–
Lowestoft, to 6 p.m. ...	Not rec^d				
Scarborough	*	*	*		*
Harrogate, to 6 p.m. ...	70	58	c,t,m	0·1	0·44
Manchester, to 9 p.m. ...	73	57	o,p,od	0·3	0·02
Darwen, to 9 p.m.	64	51	r	0·0	0·16
Birmingham, to 9 p.m. ...	81	60	bm,o	8·2	–

TEMPERATURE, WEATHER, and RAINFALL at additional FOREIGN STATIONS, mainly for the 24 hours ended at 8 a.m. yesterday.

STATIONS. 11th July 1908.	Temperature, F. Max.	Temperature, F. Min.	Weather.	Rain. Ins.
Marseilles	82	63	b,m	–
Utrecht...	75	54	b,b	–
Copenhagen	75	59	b,o	–
Prague	Not rec^d			
Vienna	77	55	r,o	1·06
Buda-Pesth	63	59	r,b	0·43
St. Petersburg	68	59	c,o	–
Rome	81	63	c,c	–
Malta	76	65	b	–
Madeira (Funchal)	73	63	o,o	–

STATIONS. 10th July 1908	Temperature, F. Dry. 1 p.m.	Temperature, F. Wet.	Weather. 1 p.m.	Rain. Ins. Measured 7 a.m.
Geneva	68	*	b	–
Berne	64	*	b	–
Lucerne	66	*	bc	–
Coire	63	*	bc	–
Castasegna	72	*	b	–
Lugano	82	*	b	–

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

TABLE SHOWING THE LOCAL STANDARD TIMES AND THE CORRESPONDING GREENWICH TIMES OF THE OBSERVATIONS RECORDED ON PAGE 1.

COUNTRIES, &c.	Hours of Morning Observations by Local Standard Time.	Corresponding Greenwich Times.	Hours of Evening Observations by Local Standard.	Corresponding Greenwich Times.
British Isles, Belgium† ...	8 a.m. (West European)	8 a.m.	6 p.m. (W.E.T.)	6 p.m.
Holland	8 a.m. (" ")	8 a.m.	7 p.m. (W.E.T.)	7 p.m.
Germany, Denmark, Norway, Sweden	8 a.m. (Mid-European)	7 a.m.	8 p.m. (M.E.T.)	7 p.m.
France	7 a.m. (Paris)	6.51 a.m.	6 p.m. (Paris)	5.51 p.m.
Spain	8 a.m. (West European)	8 a.m.	6 p.m. (W.E.T.)	6 p.m.
Portugal	8 a.m. (Lisbon)	8.36 a.m.	3.23 p.m. (Lisbon)	4 p.m.
Azores { Ponta Delgada	6 a.m. (Local)	7.43 a.m.	9 p.m. (Local)	10.43 p.m.
Azores { Horta	6 a.m. (Local)	7.55 a.m.	9 p.m. (Local)	10.55 p.m.

TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON, AND SUNSET, FOR STATIONS IN THE UNITED KINGDOM, TO-DAY.

12th July, 1908.	Sunrise G.M.T.	Noon G.M.T.	Sunset G.M.T.
Yarmouth	3.45	11.58	8.12
Greenwich	3.58	12.5	8.12
Wick	3.25	12.17	9.9
Valencia	4.36	12.46	8.57

SUBSCRIPTIONS both for the Daily *and* Weekly Weather Reports *may be paid, in advance, to the* Meteorological Office.

TERMS: For Daily Weather Report, forwarded by Book Post, £1 0 0 per annum.
" Weekly " " " £1 10 0 " Single Copies, 6d.

Single Copies of the Daily Weather Report (price 1d.) may be obtained after 3 p.m. on the day of issue at the Meteorological Office, and at Messrs. W. H. SMITH & SONS' Bookstalls at the following terminus Railway Stations:—Victoria, Charing Cross, King's Cross, St. Pancras, Euston.

FORECASTS OF WEATHER for one day in advance are drawn up at the Meteorological Office at 11 a.m., and between 7 and 8 p.m. The latest forecast can be had by Reply Telegram, on paying at any Post Office in the United Kingdom **Sixpence in addition to the cost of the inquiry and reply Telegrams.** Information as to the Terms on which Forecasts can be sent daily, for a long or short period, may be obtained on application to the Meteorological Office, 63, Victoria Street, S.W., either personally or by post.

† The evening observations in Belgium are not given on page 1.

‡ At Oxford the observations are taken at 8 p.m.

DAILY WEATHER REPORT

for 8 a.m. on Tuesday, 14th July, 1903.

Issued by the METEOROLOGICAL OFFICE, 63, Victoria Street, London. **W. N. SHAW**, *Secretary.*

	STATIONS.	YESTERDAY EVENING. (See note on last page.) Barom. At 32° and M.S.L. Ins.	Temp. Dry Bulb. °	Wind. Direc.	Wind. Force (0 to 12.)	Weather	THIS MORNING. (See note on last page.) Barometer. At 32° At 32° Fahr. and M.S.L. Ins.	Change since Yesterday. Ins.	Temperature. Dry Bulb. °	Wet Bulb. °	Change since Yesterday. °	Wind. Direc.	Wind. Force (0 to 12.)	Weather.	Sea (0 to 9.)	PAST 24 HOURS. Temp. Max. °	Temp. Min. °	Weather	Sunshine. Hours.	Rainfall. Ins.
SCANDINAVIA.	Haparanda ...	29.89	57	SW	2	bc	29.52	+.04	54	52	− 3	E	4	0	*	66	48	–	*	0.12
	Hernösand ...	29.43	53	Z	0	c	29.46	−.03	51	46	− 2	S	2	b	*	59	46	–	*	0.08
	Stockholm ...	29.50	57	Z	0	b	29.55	+.05	58	51	− 1	W	2	b	*	66	52	–	*	–
	Wisby	29.56	60	Z	0	b	29.62	−.01	55	50	− 1	W	2	b	*	64	52	–	*	–
	Karlstad	29.50	56	W	2	c	29.55	+.05	53	52	− 2	NW	2	b	*	*	*	–	*	–
	Færder (X'iania Fjord)	29.50	56	W	4	c	29.60	+.06	55	47	+ 1	WNW	2	b	3	59	52	–	*	–
	Bodö	29.51	51	N	2	b	29.48	−.13	55	49	+ 6	E	2	b	1	55	48	–	*	–
	Christiansund ...	29.57	49	N	2	o	29.61	−.01	49	45	+ 3	WNW	3	o	2	50	45	–	*	0.35
	Skudesnaes ...	29.68	49	NW	7	c	29.72	+.03	50	48	+ 3	NNW	5	c	3	52	45	c	*	*
BRITISH ISLANDS.	Sumburgh Head	29.74	48	WNW	4	c	29.76	+.03	49	46	+ 1	WNW	3	c	4	51	45	o, c	*	0.04
	Stornoway ...	29.90	57	NNW	2	o	29.90	+.01	49	48	0	Z	0	o	0	58	39	op, o	11.7	0.01
	Malin Head ...	29.96	54	NW	4	bc	29.85	−.09	51	50	− 2	S	4	r	3	58	50	bc	*	0.02
	Blacksod Pt. ...	30.02	55	WNW	3	op	29.76	−.29	57	56	+ 3	SSW	7	rm	6	58	53	c, cp	*	0.45
	Valencia	30.06	60	W	2	bcv	29.85	−.26	56	55	0	SSE	4	pm	4	61	54	c, bcv	3.4	0.20
	Roche's Point ...	30.05	60	NNW	2	o	29.94	−.14	58	55	+ 3	SW	3	om	3	61	53	o	*	0.07
	Parsonstown ...	30.01	59	NW	1	c	29.90	−.15	53	52	− 2	SE	1	or	*	62	51	c	2.9	0.24
	Donaghadee ...	29.97	56	Z	0	bcp	29.94	+.01	53	52	− 1	WSW	1	or	1	56	48	–	*	0.06
	Liverpool Obsy.	29.96	56	WNW	3	bc	29.96	+.02	56	52	+ 2	W	1	o	1	59	52	–	*	–
	Holyhead ...	29.99	57	WSW	2	c	29.96	.00	55	53	− 1	W	1	dm	1	60	52	bc, c	*	0.01
	Pembroke (St. Ann's)	30.02	58	WNW	4	bc	29.98	−.03	56	55	+ 2	Z	0	ogp	2	59	53	–	6.5	–
	Scilly (St. Mary's)...	30.06	59	WNW	3	c	30.01	−.03	59	56	− 1	SSW	1	c	1	63	54	o, c	4.1	–
	Jersey (St. Aubins)...	30.03	62	W	3	cg	30.05	+.05	62	56	+ 2	NNW	2	b	2	66	50	bc, cg	11.7	–
	Portland Bill ...	29.98	61	NW	4	bc	30.03	+.03	58	54	+ 2	Z	0	b	1	62	50	bc	*	–
	Dungeness ...	29.94	63	NNW	2	bc	29.99	+.09	63	55	+ 5	NNW	2	bc	1	67	46	c, bc	7.9	–
	Wick	29.85	50	N	5	bc	29.84	+.01	50	48	0	NNW	4	c	2	58	40	–	*	–
	Nairn	29.85	55	Z	0	c	29.89	+.02	51	47	− 1	Z	0	b	0	62	37	–	*	0.01
	Aberdeen ...	29.88	52	SSW	3	c	29.90	+.04	51	47	+ 1	NW	3	bc	1	59	40	c, p	6.0	0.03
	Leith	29.87	57	Z	0	b	29.91	+.04	56	51	0	Z	0	c	*	62	47	p, bc	*	0.03
	North Shields ...	29.90	53	SE	1	c	29.92	+.06	54	50	+ 1	NW	2	c	2	57	45	c, p	*	0.01
GERMANY, &c.	Spurn Head ...	29.92	56	N	4	bc	29.95	+.10	56	53	+ 1	W	3	c	2	60	50	–	*	–
	Yarmouth ...	29.91	60	N	4	b	29.96	+.12	58	53	+ 1	W	3	b	2	60	46	cv, b	*	–
	Nottingham ...														*					
	Oxford	29.90	57	WNW	1	b	30.01	+.06	56	52	0	W	1	b	*	65	45	bc, b	*	–
	London (Brixton)...	29.94	62	NW	5	bc	29.99	+.07	58	51	0	NW	1	c	*	67	52	bc, b	7.9	–
	The Scaw (Skagen)	29.60	54	WNW	4	bc	29.63	+.03	56	50	+ 1	NW	5	bc	1	59	52	–	*	–
	Fanö	29.79	51	WNW	4	bc	29.86	+.11	53	47	− 3	WNW	8	c	*	61	50	–	*	0.04
	Cuxhaven ...	29.78	58	WNW	3	o	29.93	+.17	55	49	− 2	W	4	b	*	59	52	–	*	0.24
	The Helder ...	29.84	55	N	4	c	29.98	+.19	59	54	+ 1	W	2	b	1	61	54	–	*	–
	Brussels	*	*	*	*	*	30.04	+.18	59	53	0	SSE	1	bc	*	71	43	–	*	–
	Berlin	29.73	58	Z	0	r	29.94	+.19	55	52	− 3	NW	3	o	*	68	50	–	*	0.20
	Frankfürt ...	29.80	63	WNW	1	b	29.99	+.27	58	50	− 7	N	2	c	*	73	52	–	*	–
	Munich	29.89	61	SW	3	b	30.01	+.18	59	55	− 5	W	4	c	*	70	55	–	*	0.20
FRANCE.	C. Gris Nez ...	29.94	61	WNW	2	b	29.99	+.10	59	56	+ 4	SSW	1	b	1	68	52	–	*	–
	Brest	30.08	60	N	3	bc	30.06	+.03	57	52	− 4	N	1	b	1	72	50	–	*	–
	Lorient	30.01	68	N	4	b	30.08	+.09	55	54	− 4	N	2	b	1	73	52	–	*	–
	Rochefort ...	29.91	69	NW	4	b	30.00	+.14	61	56	− 7	NE	3	c	*	82	55	b	*	–
	Biarritz	29.98	69	WSW	4	o	30.06	+.16	66	64	− 2	W	3	b	2	72	63	o, rr	*	0.08
	Paris	29.95	64	N	4	b	30.06	+.15	57	53	0	SE	1	b	*	74	49	–	*	–
	Belfort	29.79	72	W	6	b	29.94	+.14	60	56	− 4	Z	0	m	*	78	52	–	*	–
	Lyons														*				*	
	Nice	29.87	66	Z	0	o	29.88	+.02	67	66	− 2	E	1	c	3	75	63	–	*	0.04
	Perpignan ...	29.85	73	E	2	b	29.92	+.06	71	64	+ 1	W	2	c	*	80	61	–	*	0.16
SPAN. PEN.	Corunna																		*	
	Lisbon	29.99	66	NNW	4	b	29.97	+.01	71	66	+ 4	N	1	b	*	73	63	–	*	–
	Azores (P. Delgada)																		*	
	" (Horta) ...	30.22	70	SW	2	o	30.09	−.21	71	68	+ 1	SW	4	o	2	75	70	–	*	–

NOTE: *The Sunshine for London given in this Table is recorded on the Tower of the Wesleyan Training College, Westminster: the Sunshine entered to Dungeness is recorded at Littlestone-on-Sea.*

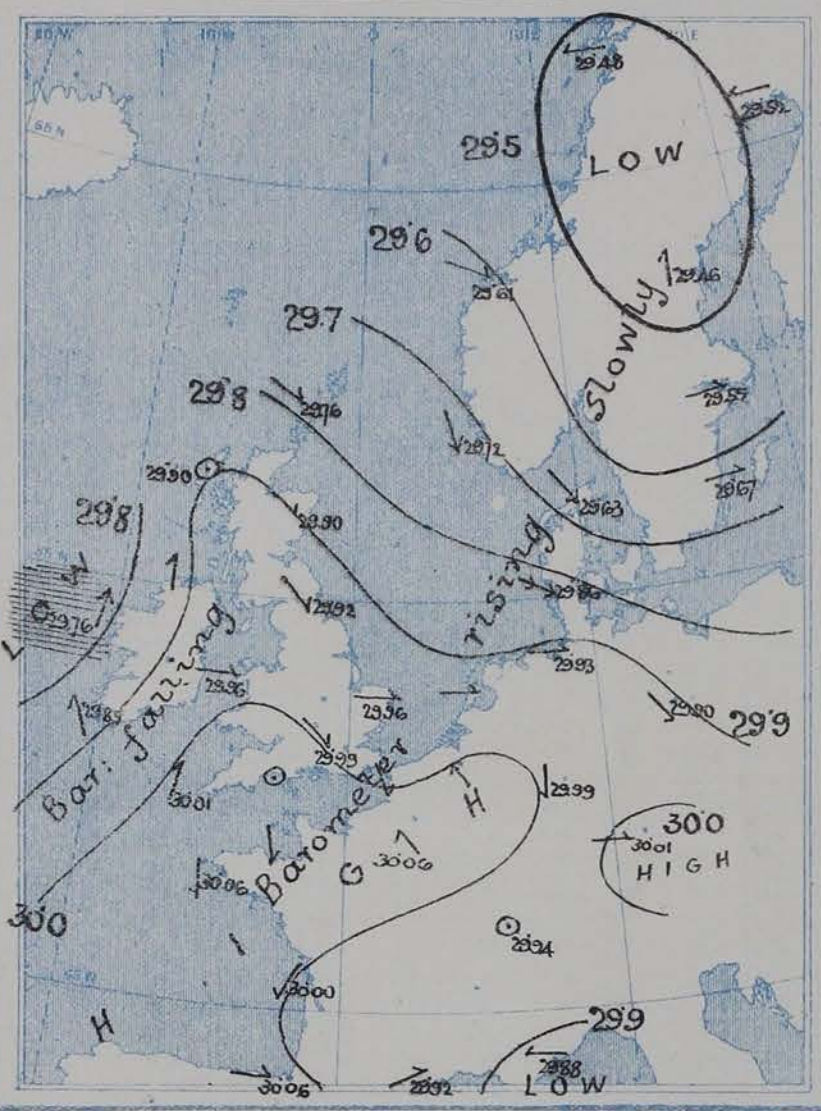
* *Observations for this column not generally received.* † *Observations received too late for insertion in Charts on next page.*

WEATHER CHARTS

FOR Tuesday, 14th July, 1903.

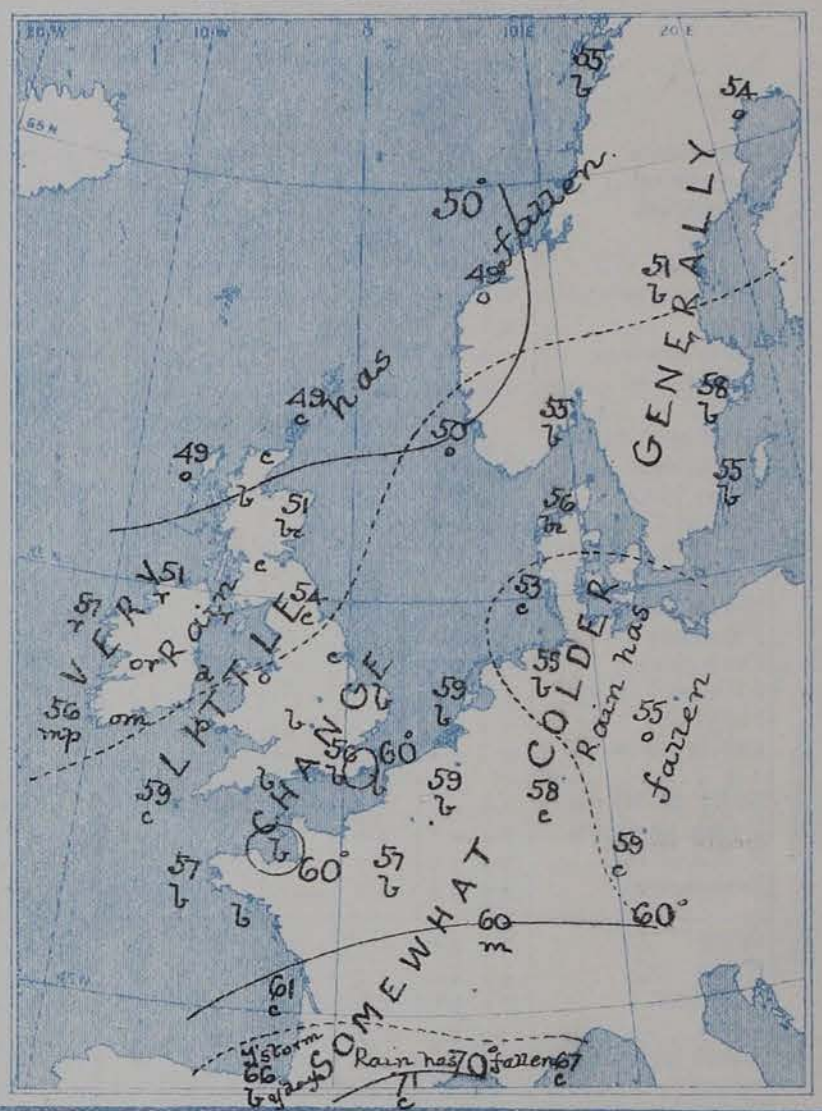
I. BAROMETER, WIND AND SEA. *This Morning.*

BAROMETER.—Isobars are drawn for each tenth of an inch.
WIND.—Arrows show Directions and Force, flying with the wind.
Force above 10 — *Force 5 to 7* — *Force 8 to 10* — *Force 1 to 4* — Calm ⊙
SEA.—Rough — *High*



II. TEMPERATURE AND WEATHER. *This Morning.*

TEMPERATURE.—Isotherms are drawn for each 10°.
WEATHER.—Shown by Letters of the Beaufort Scale. *(See P. 4.)*
RAINFALL.—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0·6



III. BAROMETER AND WIND

Yesterday morning.

IV. GREATEST AND LEAST MONTHLY RAINFALL IN JULY

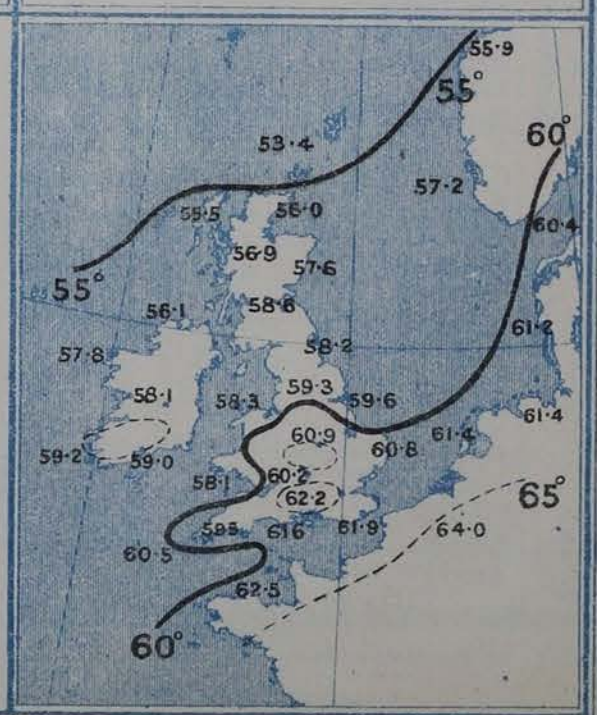
During the 32 Years 1871–1902.

Specimen (for LONDON) { *Greatest Rainfall* 5·94 (in 1888); *Least Do* 0·51 (in 1885)

V. *Means of* DAILY TEMPERATURE

at 8 A.M. for the Monthly period

JULY. (1871–1900.)



GENERAL SITUATION AT 8 A.M.

PRESSURE

The barometer is now highest, 30·1 ins. and upwards, in an anticyclone lying over the southwest of Ireland and the adjacent parts of the Atlantic, and lowest, 29·6 ins. and less, in a large shallow depression over Sweden and the Gulf of Bothnia. A "V-shaped" secondary disturbance is situated over western Germany, and another shallow depression over the south of France. The barometer is rising slightly in France and the south of England but is falling elsewhere, - rather decidedly over northern and central Europe.

WIND

The wind is light to moderate from the NW^wd over the United Kingdom and the North Sea, and from the N^wd in the north and west of France. In the east of France and in western and southern Germany it is SW^ly, and in the south of Sweden it is W^ly.

TEMPERATURE

Temperature has again fallen slightly in these Islands and more decidedly in adjacent parts of the Continent, the readings being now below the average over northwestern Europe generally. Scilly and Jersey are the only stations in the United Kingdom at which the thermometer is as high as 60°; at many places in the northern districts it is below 55°, and in the Shetlands and Hebrides it is below 50°. In south Germany the readings are above 60°, while in the southern parts of France they are above 65°, the highest reported being 71° at Lyons.

WEATHER AND SEA

The weather is fair in most places, but is dull in the south of Ireland and on our northeast coasts (with rain at Leith) as well as in Germany and central France. Thunder is reported at Hernösand. The sea is slight or smooth on nearly all coasts.

During yesterday the thermometer rose to 70° and upwards, at several of our southern stations, and to 75° at Jersey; on our northwestern and extreme northern coasts it did not reach 60°. The amount of bright sunshine was generally small, but was as much as 12·5 hrs at Jersey and more than 11 hours at some of our western stations. Rain fell yesterday in many parts of northwestern Europe; thunderstorms occurred over central and southern France and also at Cuxhaven.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The conditions are now favourable for the passage across our Islands and the North Sea of shallow depressions from the northward. Cool NW^ly winds are likely to continue for the present, with showery weather, and with thunder in a few isolated places.

FORECASTS ※

For the 24 hours ending at NOON on 14th July 1903

DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	W^ly and NW^ly winds, freshening; cool, changeable, some rain.
1 SCOTLAND EAST	
2 ENGLAND N.E.	NW^ly winds, moderate or fresh; cool, changeable, some showers.
3 ENGLAND EAST	
4 MIDLAND COUNTIES	W^ly and NW^ly winds, moderate; cool, changeable, some showers.
5 ENGLAND SOUTH	
6 SCOTLAND WEST	Same as Nos. 0 and 1.
7 ENGLAND N.W.	Same as Nos. 2 to 3.
8 ENGLAND S.W.	NW^ly winds, moderate; fair at first, some showers later.
9 IRELAND NORTH	Same as Nos. 0 and 1.
10 IRELAND SOUTH	Same as No. 8.
WARNINGS	None issued.
GENERAL.	Thunder is probable in isolated places.

Note.—The **South Cone**, *point downwards* (▼), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the *North* Cone is hoisted in preference to the *South* Cone.

The **North Cone**, *point upwards* (▲), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the *South* Cone is hoisted in preference to the *North* Cone.

※ *For terms for transmission of Forecasts by Telegraph, see next page.*

ADDITIONAL OBSERVATIONS made at Stations in the UNITED KINGDOM.

Telegraphic Reports To-day.	Yesterday 6 p.m. Bar. Ins.	Temp.	Wind Direc.	Wind Force	Weather.	This Morning 8 a.m. Barometer. Ins.	Barometer Change	Temperature Dry.	Temperature Wet.	Temperature Change	Wind Direc.	Wind Force	Weather.	Sea.	Past 24 Hours. Temperature Max.	Temperature Min.	Weather	Sunshine. Hrs.	Rainfall Ins.
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	*	*	8c	*	68	51	c, o	3.1	0.01
Bath	29.94	67	W	1	8	29.98	-.01	58	51	-1	W	1	8	*	?71	43	-	4.0	-

REPORTS FOR YESTERDAY.

Stations.	Temperature F. Max.	Temperature F. Min.	Weather.	Sunshine. Hrs.	Rainfall. Ins.	Stations.	Temperature F. Max.	Temperature F. Min.	Weather.	Sunshine. Hrs.	Rainfall. Ins.
Southport, to 9 p.m.... ...	60	54	c, oc	11.3	0.01	Broadstairs...	*	*	*	3.2	*
Rhyl, to 6 p.m....	*	*	*	11.5	*	Margate	*	*	*	2.5	*
Llandudno. To 6 p.m.	*	*	*	9.9	*	Lowestoft, to 6 p.m. ...					
Aberystwyth, to 6 p.m. ...	66	58	8c	11.0	0.06	Scarborough	*	*	*	1.2	*
Plymouth, to 9 p.m.... ...						Harrogate, to 6 p.m. ...	68	52	r, c, 8c	9.0	0.35
Worthing	*	*	*	5.7	*	Manchester, to 9 p.m. ...	64	53	r, 8	10.9	0.43
Brighton To 6 p.m.	*	*	*	4.0	*	Darwen, to 7 p.m.	62	49	or, 8c, c	10.0	0.09
Eastbourne, to 6 p.m. ...	*	*	*	3.7	*	Birmingham, to 9 p.m. ...	65	53	o, r, c	6.3	0.10
Hastings	*	*	*	4.8	*						

TEMPERATURE, WEATHER, and RAINFALL at additional FOREIGN STATIONS, mainly for the 24 hours ended at 8 a.m. yesterday.

Stations. 12th July, 1903.	Temperature, F. Max.	Temperature, F. Min.	Weather.	Rain. Ins.	Stations. 11th July 1903	Temperature, F. Dry	Temperature, F. Wet	Weather. 1 p.m.	Rain. Ins. Measured 7 a.m.
	Information not received.					1 p.m.		1 p.m.	
Marseilles					Geneva	72	*	8	—
Utrecht...					Berne	72	*	8	—
Copenhagen					Lucerne	73	*	8	—
Prague					Coire	70	*	8	—
Vienna					Castasegna	Not. recd.	*		
Buda-Pesth					Lugano	81	*	8	—
St. Petersburg									
Rome									
Malta									
Madeira (Funchal)									

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

TABLE SHOWING THE LOCAL STANDARD TIMES AND THE CORRESPONDING GREENWICH TIMES OF THE OBSERVATIONS RECORDED ON PAGE 1.

Countries, &c.	Hours of Morning Observations by Local Standard Time.	Corresponding Greenwich Times.	Hours of Evening Observations by Local Standard.	Corresponding Greenwich Times.
British Isles, Belgium† ...	8 a.m. (West European)	8 a.m.	6 p.m.‡ (W.E.T.)	6 p.m.‡
Holland	8 a.m. (" ")	8 a.m.	7 p.m. (W.E.T.)	7 p.m.
Germany, Denmark, Norway, Sweden	8 a.m. (Mid-European)	7 a.m.	8 p.m. (M.E.T.)	7 p.m.
France	7 a.m. (Paris)	6.51 a.m.	6 p.m. (Paris)	5.51 p.m.
Spain	8 a.m. (West European)	8 a.m.	6 p.m. (W.E.T.)	6 p.m.
Portugal	8 a.m. (Lisbon)	8.36 a.m.	3.23 p.m. (Lisbon)	4 p.m.
Azores { Ponta Delgada	6 a.m. (Local)	7.43 a.m.	9 p.m. (Local)	10.43 p.m.
Azores { Horta	6 a.m. (Local)	7.55 a.m.	9 p.m. (Local)	10.55 p.m.

TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON, AND SUNSET, FOR STATIONS IN THE UNITED KINGDOM, TO-DAY.

13th July, 1903.	Sunrise G.M.T.	Noon G.M.T.	Sunset G.M.T.
Yarmouth	3.46	11.58	8.11
Greenwich	3.59	12.5	8.12
Wick	3.27	12.17	9.8
Valencia	4.37	12.46	8.56

SUBSCRIPTIONS both for the Daily *and* Weekly Weather Reports *may be paid, in advance, to the* Meteorological Office.

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" Weekly " " " £1 10 0 " Single Copies, 6d.

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FORECASTS OF WEATHER for one day in advance are drawn up at the Meteorological Office at 11 a.m., and between 7 and 8 p.m. The latest forecast can be had by Reply Telegram, on paying at any Post Office in the United Kingdom **Sixpence in addition to the cost of the inquiry and reply Telegrams.** Information as to the Terms on which Forecasts can be sent daily, for a long or short period, may be obtained on application to the Meteorological Office, 63, Victoria Street, S.W., either personally or by post.

† The evening observations in Belgium are not given on page 1.

‡ At Oxford the observations are taken at 8 p.m.

DAILY WEATHER REPORT

for 8 a.m. on Wednesday, 15th July, 1903.

Issued by the METEOROLOGICAL OFFICE, 63, Victoria Street, London. **W. N. SHAW**, *Secretary.*

	STATIONS.	YESTERDAY EVENING. (See note on last page.) Barom. At 32° and M.S.L. Ins.	Temp. Dry Bulb. °	Wind. Direc.	Wind. Force (0 to 12.)	Weather	THIS MORNING. (See note on last page.) Barometer. At 32° At 32° Fahr. and M. S. L. Ins.	Change since Yesterday. Ins.	Temperature. Dry Bulb. °	Wet Bulb. °	Change since Yesterday. °	Wind. Direc.	Wind. Force (0 to 12.)	Weather.	Sea (0 to 9.)	PAST 24 HOURS. Temp. Max. °	Temp. Min. °	Weather	Sunshine. Hours.	Rainfall. Ins.
SCANDINAVIA.	Haparanda ...	29.92	57	Z	0	0	29.38	-.14	47	46	-7	NW	6	0	*	63	47	-	*	0.28
	Hernösand ...	29.53	51	Z	0	8c	29.55	+.09	55	49	+4	W	2	8c	*	59	43	-	*	-
	Stockholm ...	29.60	55	SW	2	8	29.67	+.12	56	50	-2	W	4	8	*	64	46	-	*	0.16
	Wisby	29.69	58	WNW	6	8	29.77	+.15	55	51	0	W	4	8c	*	64	52	-	*	-
	Karlstad	29.64	57	NW	4	r	29.73	+.18	54	48	+1	NE	2	8	*	*	*	-	*	0.04
	Færder (X'tiania Fjord)	29.65	59	SW	4	8c	29.76	+.16	56	49	+1	NNW	2	8	2	63	54	-	*	0.12
	Bodö	29.56	51	ESE	2	c	29.60	+.12	49	48	-6	NNE	4	c	2	59	48	-	*	0.24
	Christiansund ...	29.71	51	W	1	0	29.76	+.15	49	46	0	W	3	0	2	54	46	-	*	0.04
	Skudesnaes ...	29.85	50	NW	4	0	29.87	+.15	52	48	+2	NE	2	8	2	54	45	c,o	*	*
BRITISH ISLANDS.	Sumburgh Head	29.81	50	WNW	2	8c	29.86	+.09	49	46	0	NE	1	0	2	52	38	c,8c	*	-
	Stornoway ...	29.85	56	E	2	0	29.79	-.11	52	49	+3	SE	2	8	2	60	45	8c,o	11.0	-
	Malin Head ...	29.70	55	S	3	rm	29.60	-.25	53	53	+2	ESE	6	rf	4	55	?51	r,rm	*	0.70
	Blacksod Pt. ...	29.58	60	SW	6	rm	29.61	-.15	60	60	+3	SSW	4	om	4	60	56	rm	*	0.91
	Valencia	29.69	60	SSE	5	omg	29.67	-.18	60	60	+4	SSE	4	om	4	61	55	r,omg	0.0	1.10
	Roche's Point ...	29.79	58	SW	4	rm	29.74	-.20	59	59	+1	SSW	4	om	4	59	54	r,rm	*	0.65
	Parsonstown ...	29.71	57	SE	2	r	29.68	-.22	62	61	+9	SE	2	or	*	63	51	or	0.0	0.62
	Donaghadee ...	29.82	54	SW	2	r	29.62	-.32	59	59	+6	SW	2	or	2	59	52	-	*	1.16
	Liverpool Obsy.	29.90	55	Z	0	r	29.77	-.19	59	57	+3	SSW	3	q	2	60	52	o,r	*	0.32
	Holyhead ...	29.86	54	SSW	3	rm	29.75	-.21	56	56	+1	SW	4	r	3	58	53	omprm	*	1.11
	Pembroke (St. Ann's)	29.91	56	SW	6	0	29.81	-.17	57	57	+1	SSW	5	oq	4	58	55	o,r	0.2	0.12
	Scilly (St. Mary's)...	29.93	61	SSW	4	0	29.84	-.17	60	57	+1	SSW	4	o	3	65	56	o	3.5	-
	Jersey (St. Aubins)...	30.01	63	W	3	8c	29.95	-.10	64	58	+2	NE	1	8c	1	66	49	8c,8	13.0	-
	Portland Bill ...	29.99	59	WSW	3	c	29.95	-.08	60	55	+2	SW	3	8c	2	64	55	8c,c	*	-
	Dungeness ...	30.00	61	WSW	4	8c	29.95	-.04	62	56	-1	WSW	5	8c	3	68	57	8c	5.6	-
	Wick	29.86	52	E	1	8c	29.83	-.01	50	46	0	E	4	8c	2	56	43	-	*	-
	Nairn	29.81	56	E	2	c	29.78	-.11	55	50	+4	E	2	8	2	62	43	-	*	-
	Aberdeen ...	29.88	52	SSE	3	0	29.81	-.09	55	52	+4	ESE	2	0	1	57	50	cp,o	7.5	0.01
	Leith	29.83	57	SSW	2	0	29.73	-.18	55	54	-1	ENE	2	pm	*	61	51	-	*	0.31
	North Shields ...	29.88	57	Z	0	omg	29.74	-.18	54	54	0	SE	2	r	2	59	52	c,omgr	*	0.68
GERMANY, &c.	Spurn Head ...	29.93	58	SSW	1	c	29.80	-.15	55	53	-1	SSW	3	r	3	63	52	-	*	0.38
	Yarmouth ...	29.93	65	SW	2	c	29.87	-.09	61	57	+3	SSW	4	8c	3	65	63	8c,o	*	0.11
	Nottingham ...														*					
	Oxford	29.95	59	W	1	r	29.90	-.11	60	56	+4	SW	3	c	*	65	53	8c,op	*	-
	London (Brixton)...	29.95	64	SW	1	c	29.92	-.07	62	55	+4	SW	3	c	*	69	54	c,op	1.6	-
	The Scaw (Skagen)	29.75	54	NW	6	8	29.80	+.17	55	49	-1	NW	5	8c	1	61	50	-	*	-
	Fanö	29.94	52	W	2	c	29.93	+.07	56	51	+3	W	2	0	*	59	52	-	*	0.04
	Cuxhaven ...	29.99	59	W	2	8	29.97	+.04	56	54	+1	SW	1	0	*	61	52	-	*	0.04
	The Helder ...	29.97	59	WSW	1	8c	29.93	-.05	62	56	+3	SW	1	0	1	63	55	-	*	-
	Brussels	*	*	*	*	*	29.99	-.05	63	55	+4	SSW	1	0	*	60	53	-	*	-
	Berlin	30.01	60	W	2	8	30.05	+.15	59	56	+4	SW	2	0	*	66	46	-	*	-
	Frankfürt ...	30.01	59	N	1	8	30.02	+.03	68	52	+3	SE	2	8	*	70	52	-	*	-
	Munich	30.07	60	NE	3	8	30.12	+.11	58	55	-1	E	2	8	*	68	48	-	*	-
FRANCE.	C. Gris Nez ...	30.00	61	WSW	1	8	29.99	.00	59	56	0	WSW	3	8	3	68	52	-	*	-
	Brest	30.01	62	SW	2	8	29.93	-.13	58	55	+1	ESE	2	8	3	68	57	-	*	-
	Lorient	30.00	63	N	3	8c	29.95	-.13	57	55	+2	NE	1	8	2	73	52	-	*	-
	Rochefort ...	29.98	67	NW	3	8	29.96	-.04	62	59	+1	ENE	1	8	*	?75	54	8	*	-
	Biarritz	30.03	69	N	1	8	29.95	-.11	64	63	-2	Z	0	8	0	72	55	-	*	-
	Paris	30.00	68	ESE	2	8	30.02	-.04	61	54	+4	SSW	1	8	*	73	49	-	*	-
	Belfort	29.94	68	W	3	m	30.03	+.09	58	54	-2	ENE	2	m	*	75	50	-	*	-
	Lyons	29.96	73	N	1	8	30.05	+.05	66	55	+7	NNE	1	8	*	80	56	-	*	-
	Nice	29.92	67	S	1	c	30.05	+.17	68	65	+1	Z	0	8c	0	79	63	-	*	-
	Perpignan ...	29.93	80	W	2	8	30.01	+.09	71	66	0	SW	1	8	*	86	61	-	*	-
SPAN. PEN.	Corunna																		*	
	Lisbon	29.94	72	NW	5	8	29.95	-.02	73	61	+2	NNE	1	0	*	84	66	-	*	-
	Azores (P. Delgada)																		*	
	,, (Horta) ...	29.97	69	SW	1	8	29.89	-.20	70	68	-1	SW	4	c	2	73	68	-	*	-

NOTE: *The Sunshine for London given in this Table is recorded on the Tower of the Wesleyan Training College, Westminster: the Sunshine entered to Dungeness is recorded at Littlestone-on-Sea.*

* *Observations for this column not generally received.*

† *Observations received too late for insertion in Charts on next page.*

WEATHER CHARTS

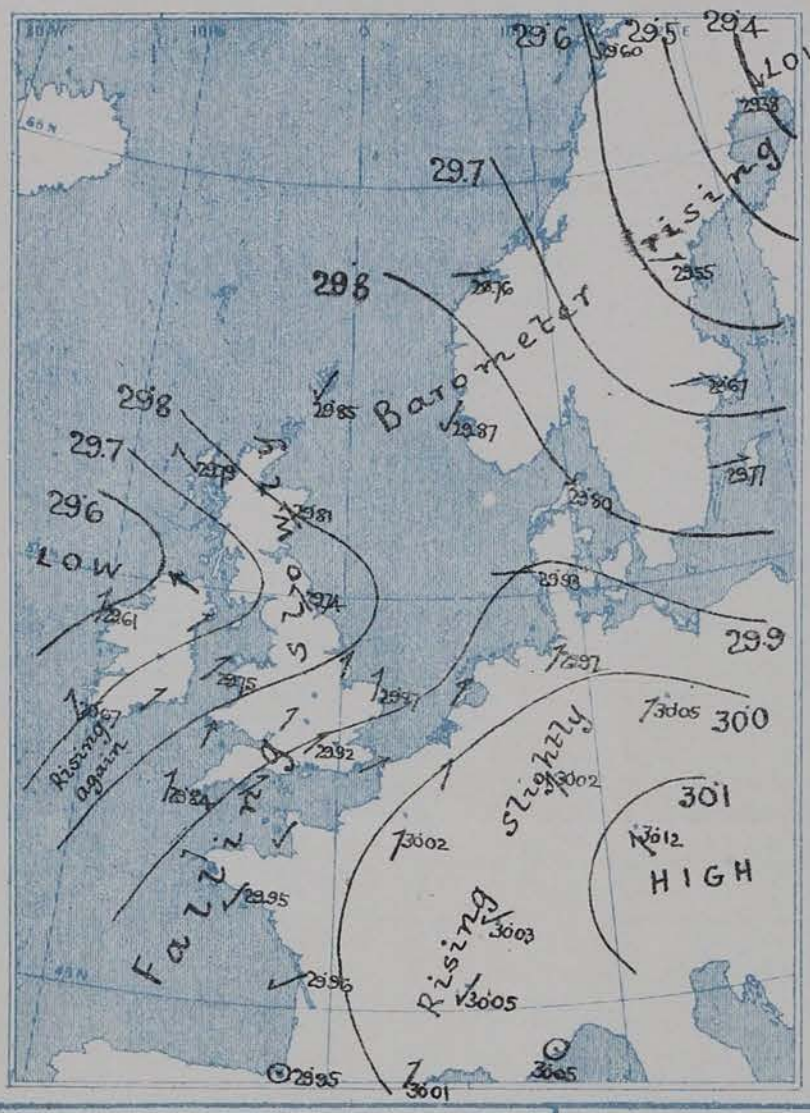
FOR WEDNESDAY, 15TH JULY, 1903.

I. BAROMETER, WIND AND SEA. *This Morning.*

BAROMETER.—Isobars are drawn for each tenth of an inch.
WIND.—Arrows show Directions and Force, flying with the wind.

Force above 10 ⟶⟶ ; *Force 5 to 7* ⟶ ; *Force 8 to 10* ⟶ ; *Force 1 to 4* ⟶ ; } Calm ⊙

SEA.—Rough ▒ *High* ▓



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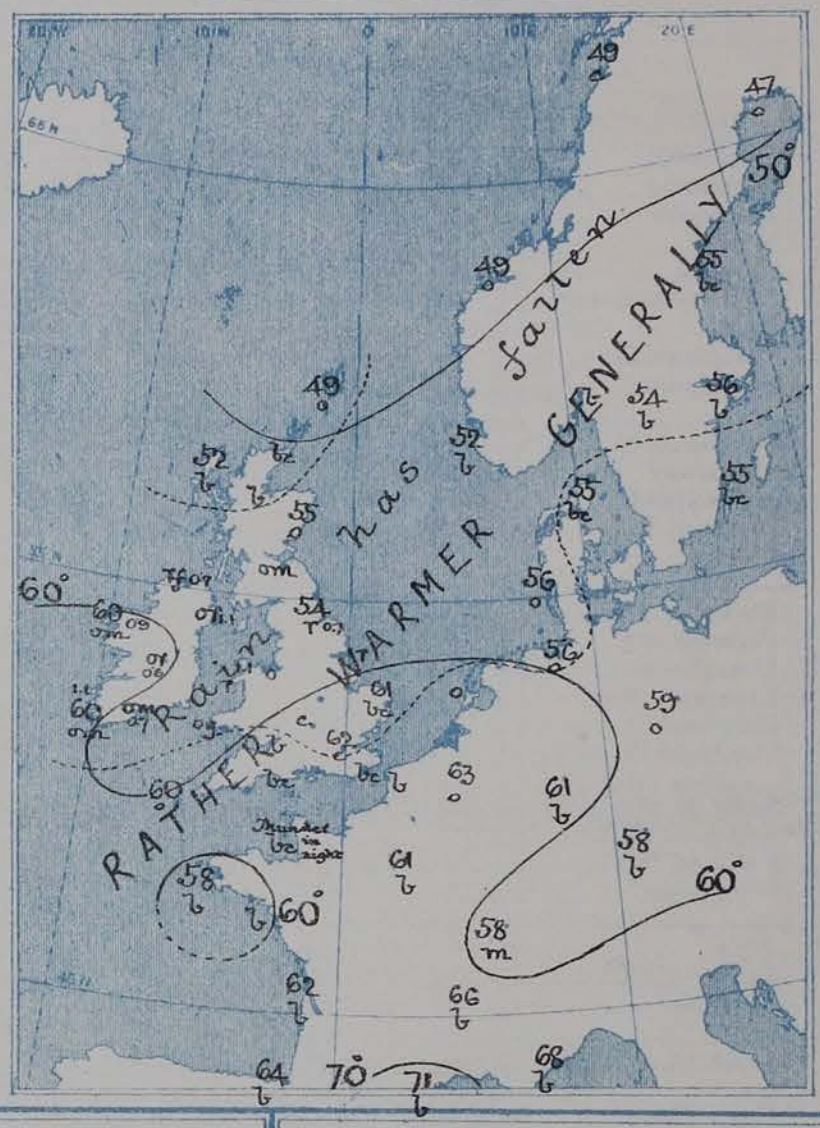
TEMPERATURE.—Isotherms are drawn for each 10°.
WEATHER.—Shown by Letters of the Beaufort Scale. *(See P. 4.)*

RAINFALL.— *A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus :-0·6*



III. BAROMETER AND WIND

Yesterday morning.

IV. GREATEST AND LEAST MONTHLY RAINFALL IN JULY

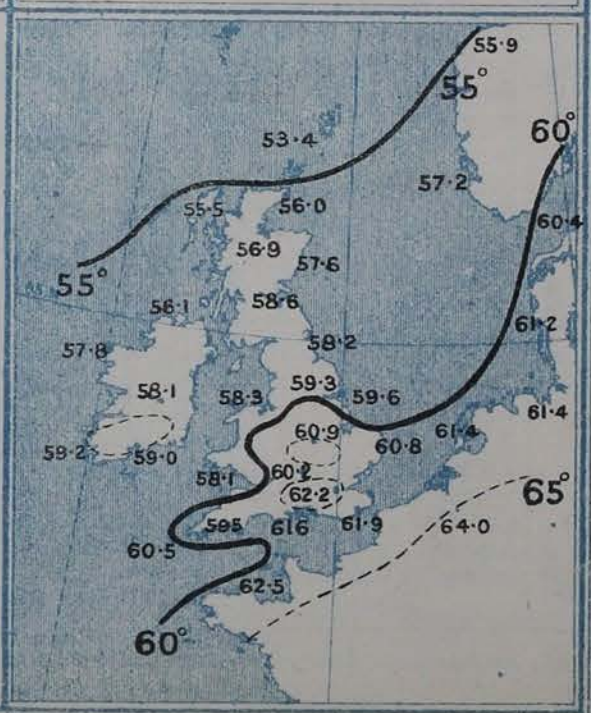
During the 32 Years 1871–1902.

Specimen (for LONDON) { *Greatest Rainfall* 5·94 (IN 1888) ; *Least Do* 0·51 (IN 1885)

V. *Means of* DAILY TEMPERATURE

at 8 A.M. for the Monthly period

JULY. (1871–1900.)



GENERAL SITUATION AT 8 A.M.

PRESSURE

An anticyclone in which pressure exceeds 30·0 ins. now lies over France and the south of England, and the barometer is rising at our eastern, southern and most of the Continental stations. The lowest readings, 29·5 ins. and less, are found in a large shallow depression over the northern parts of Scandinavia. Another disturbance with readings below 29·8 ins. is approaching the west of Ireland, and is occasioning a fall of the barometer on all our western coasts, with an increasing gradient for S.ly winds over Ireland.

WIND

Under the influence of the advancing depression the wind has backed to the S.wd in Ireland and has increased to a moderate gale at Blacksod Point; rain is falling at many of our western stations. In the northern and eastern parts of Great Britain and over the North Sea, Denmark, Germany, and the Netherlands the wind is light to moderate from the N.wd or NW.wd while in the north of Scandinavia it is E.ly. Over France the wind is very variable.

TEMPERATURE

WEATHER

AND

SEA

The weather is fair or fine over nearly the whole of England, Scotland and the western parts of the Continent, but is dull in the west of Norway. Temperature has changed very little in these Islands, and is below the average in most places, the morning readings ranging from 63° at Dungeness and 62° at Jersey to very little above 50° in the northern parts of Ireland and Scotland and to 49° in the Shetlands and Hebrides. At most of the Continental stations the thermometer has fallen, the only readings exceeding 60° being those in the south of France. The sea is smooth generally, but is rough at Blacksod Point.

During yesterday the thermometer at many of our western and northern stations failed to reach 60°; in the south of England however it rose to 65° or slightly above it. Between 11 and 13 hours of sunshine were recorded on many parts of our western and southern coasts, but in the north and east the amount was much smaller. Rain has fallen in Ireland and the northern parts of Great Britain, as well as at many of the Continental stations,- and a thunderstorm has occurred at Biarritz.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression which is approaching our western coasts is apparently of no great depth. Its centre is however likely to advance slowly in an easterly direction, so that rain is probable in most parts of the United Kingdom, with a continuance of low temperatures.

FORECASTS*

For the 24 hours ending at NOON on 15th July 1903

DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	Wind backing to the S.wd and freshening; fair at first, some rain later.
1 SCOTLAND EAST	
2 ENGLAND N.E.	W.ly to S.ly winds, moderate; fair at first, some rain later.
3 ENGLAND EAST	
4 MIDLAND COUNTIES	
5 ENGLAND SOUTH	
6 SCOTLAND WEST	S.ly winds, freshening; dull, unsettled, some rain.
7 ENGLAND N.W.	
8 ENGLAND S.W.	S.W.ly winds, freshening; dull, some rain.
9 IRELAND NORTH	S.ly to W.ly winds, strong in places; squally, some rain.
10 IRELAND SOUTH	
WARNINGS	None issued.

Note.—The **South Cone**, *point downwards* (▼), means that gales, or strong winds, are probable, at first from the Southward (from S.E round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the *North* Cone is hoisted in preference to the *South* Cone.

The **North Cone**, *point upwards* (▲), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the *South* Cone is hoisted in preference to the *North* Cone.

* *For terms for transmission of Forecasts by Telegraph, see next page*

ADDITIONAL OBSERVATIONS made at Stations in the UNITED KINGDOM.

TELEGRAPHIC REPORTS TO-DAY.	Yesterday 6 p.m.					This Morning 8 a.m.									Past 24 Hours.				
	Bar. Ins	Temp. °	Wind Direc	Wind Force	Weather.	Barometer. Ins.	Barometer. Change	Temperature Dry.	Temperature Wet.	Temperature Change	Wind Direc	Wind Force	Weather.	Sea.	Temperature Max.	Temperature Min.	Weather	Sunshine. Hrs.	Rainfall Ins.
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	*	*	b	*	65	49	b,bc	6.8	-
Bath	29.97	62	W	2	b	30.00	+.02	58	52	0	W	1	b	*	66	45	-	10.5	-

REPORTS FOR YESTERDAY.

STATIONS.	Temperture F. Max.	Temperture F. Min.	Weather.	Sunshine. Hrs.	Rainfall. Ins.	STATIONS.	Temperature F. Max.	Temperature F. Min.	Weather.	Sunshine. Hrs.	Rainfall. Ins.
	°	°					°	°			
Southport, to 6 p.m.... ...				10.7		Broadstairs to 6pm... ...	*	*	*	5.9	*
Rhyl, to 6 p.m....	*	*	*	10.0	*	Margate	*	*	*	6.8	*
Llandudno. to 6p.m.	*	*	*	6.0	*	Lowestoft, to 6 p.m. ...	63	49	oc, b	6.2	-
Aberystwyth, to 6 p.m. ...	59	54	bc	13.0	-	Scarborough	*	*	*	5.7	*
Plymouth, to 9 p.m.... ...	62	48	bc	9.3	-	Harrogate, to 6 p.m. ...	64	45	bc, rm	4.4	0.29
Worthing	*	*	*	12.7	*	Manchester, to 9 p.m. ...	62	48	od, bc	7.5	-
Brighton	*	*	*	12.8	*	Darwen, to 9 p.m.	59	46	bcp, bcw	8.7	0.07
Eastbourne, to 6 p.m. ...	*	*	*	11.7	*	Birmingham, to 9 p.m. ...	62	47	o, c	2.8	-
Hastings	*	*	*	9.6	*						

TEMPERATURE, WEATHER, and RAINFALL at additional FOREIGN STATIONS, mainly for the 24 hours ended at 8 a.m. yesterday.

STATIONS. 13th July 1903.	Temperature, F. Max.	Temperature, F. Min.	Weather.	Rain. Ins.	STATIONS. 12th July 1903	Temperature, F. Dry. 1 p.m.	Temperature, F. Wet.	Weather. 1 p.m.	Rain. Ins. Measured 7 a.m.
Marseilles	84	63	c, o	-	Geneva	Information not received			
Utrecht...	72	52	o, c	-	Berne				
Copenhagen	64	54	c, o	-	Lucerne				
Prague	73	55	r, o	1.14	Coire				
Vienna	79	59	c, b	-	Castasegna				
Buda-Pesth	79	59	c, c	-	Lugano				
St. Petersburg	73	59	o, o	-					
Rome	85	59	b, b	-					
Malta	79	66	?, b	-					
Madeira (Funchal)	Not rec^d								

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

TABLE SHOWING THE LOCAL STANDARD TIMES AND THE CORRESPONDING GREENWICH TIMES OF THE OBSERVATIONS RECORDED ON PAGE 1.

COUNTRIES, &c.	Hours of Morning Observations by Local Standard Times.	Corresponding Greenwich Times.	Hours of Evening Observations by Local Standard.	Corresponding Greenwich Times.
British Isles, Belgium† ...	8 a.m. (West European)	8 a.m.	6 p.m. (W.E.T.)	6 p.m.
Holland	8 a.m. (" ")	8 a.m.	7 p.m. (W.E.T.)	7 p.m.
Germany, Denmark, Norway, Sweden	8 a.m. (Mid-European)	7 a.m.	8 p.m. (M.E.T.)	7 p.m.
France	7 a.m. (Paris)	6.51 a.m.	6 p.m. (Paris)	5.51 p.m.
Spain	8 a.m. (West European)	8 a.m.	6 p.m. (W.E.T.)	6 p.m.
Portugal	8 a.m. (Lisbon)	8.36 a.m.	3.23 p.m. (Lisbon)	4 p.m.
Azores { Ponta Delgada	6 a.m. (Local)	7.43 a.m.	9 p.m. (Local)	10.43 p.m.
Azores { Horta	6 a.m. (Local)	7.55 a.m.	9 p.m. (Local)	10.55 p.m.

TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON, AND SUNSET, FOR STATIONS IN THE UNITED KINGDOM, TO-DAY.

14th July, 1903.	Sunrise G.M.T.	Noon G.M.T.	Sunset G.M.T.
Yarmouth	3.47	11.59	8.10
Greenwich	4.0	12.6	8.11
Wick	3.29	12.18	9.6
Valencia	4.38	12.47	8.55.

SUBSCRIPTIONS both for the Daily *and* Weekly Weather Reports *may be paid, in advance, to the* Meteorological Office.

TERMS: For Daily Weather Report, forwarded by Book Post, £1 0 0 per annum.
" Weekly " " " £1 10 0 " Single Copies, 6d.

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FORECASTS OF WEATHER for one day in advance are drawn up at the Meteorological Office at 11 a.m., and between 7 and 8 p.m. The latest forecast can be had by Reply Telegram, on paying at any Post Office in the United Kingdom **Sixpence in addition to the cost of the inquiry and reply Telegrams.** Information as to the Terms on which Forecasts can be sent daily, for a long or short period, may be obtained on application to the Meteorological Office, 63, Victoria Street, S.W., either personally or by post.

† The evening observations in Belgium are not given on page 1.

‡ At Oxford the observations are taken at 8 p.m.

DAILY WEATHER REPORT

for 8 a.m. on Thursday, 16th July, 1903.

Issued by the METEOROLOGICAL OFFICE, 63, Victoria Street, London. **W. N. SHAW,** *Secretary.*

	STATIONS.	YESTERDAY EVENING. (See note on last page.) Barom. At 32° and M.S.L. Ins.	Temp. Dry Bulb. °	Wind. Direc.	Wind. Force (0 to 12.)	Weather	THIS MORNING. (See note on last page.) Barometer. At 32° Fahr. and M.S.L. Ins.	Change since Yesterday. Ins.	Temperature. Dry Bulb. °	Temperature. Wet Bulb. °	Change since Yesterday. °	Wind. Direc.	Wind. Force (0 to 12.)	Weather.	Sea (0 to 9.)	PAST 24 HOURS. Temp. Max. °	Temp. Min. °	Weather	Sunshine. Hours.	Rainfall. Ins.
SCANDINAVIA.	Haparanda ...	29.36	?	W	4	0	29.42	+.04	50	47	+ 3	W	2	0	*	57	47	–	*	0.08
	Hernösand ...	29.62	52	W	6	8c	29.73	+.18	52	46	– 3	W	4	8	*	61	39	–	*	0.20
	Stockholm ...	29.67	55	W	2	c	29.82	+.15	57	50	+ 1	NW	2	8	*	64	48	–	*	–
	Wisby	29.73	59	W	6	c	29.88	+.11	55	51	0	W	2	8	*	63	54	–	*	–
	Karlstad	29.97	54	WSW	2	8c	29.94	+.21	53	48	– 1	N	2	8c	*	*	*	–	*	–
	Færder (Christiania Fjord)	29.77	57	ESE	2	c	29.88	+.12	55	51	– 1	NE	2	8	2	61	52	–	*	–
	Bodö	29.65	48	NW	4	0	29.65	+.05	46	42	– 3	W	6	0	*	50	46	–	*	–
	Christiansund ...	29.88	51	W	2	0	29.88	+.12	50	47	+ 1	W	6	c	3	54	46	–	*	0.12
	Skudesnaes ...	29.89	53	NNW	4	8	29.92	+.05	52	48	0	NNE	4	8	1	55	45	8	*	*
BRITISH ISLANDS.	Sumburgh Head	29.91	51	S	1	8	29.88	+.03	52	49	+ 3	E	1	8	2	53	41	8	*	–
	Stornoway ...	29.78	58	ESE	3	0	29.69	–.10	54	52	+ 2	SE	3	r	3	61	48	8,0	11.5	0.02
	Malin Head ...	29.66	56	SE	6	r	29.58	–.02	54	54	+ 1	SE	5	r	3	57	?53	rf	*	0.51
	Blacksod Pt. ...	29.58	63	SE	3	c	29.55	–.06	58	56	– 2	Z	0	c	2	63	55	c	*	0.07
	Valencia	29.59	60	S	4	r	29.54	–.13	59	58	– 1	Z	0	8c	3	62	54	0mg,r	0.0	0.44
	Roche's Point ...	29.70	59	SSE	4	rgm	29.53	–.21	60	59	+ 1	SSW	2	0	2	62	56	0,rgm	*	1.12
	Parsonstown ...	29.69	61	SE	2	r	29.56	–.12	56	55	– 6	SE	1	or	*	68	53	op,r	0.0	0.52
	Donaghadee ...	29.71	62	SW	2	op8	29.67	+.05	54	54	– 5	S	2	omm	2	63	52	cp8	*	0.26
	Liverpool Obsy.	29.79	64	WSW	2	c	29.66	–.11	58	57	– 1	SE	2	0	1	68	57	or,c	*	0.02
	Holyhead ...	29.77	58	SW	3	omp	29.65	–.10	55	54	– 1	SE	1	rgm	1	59	53	fd,op	*	0.19
	Pembroke (St. Ann's)	29.81	58	SSW	4	c	29.58	–.23	56	55	– 1	SE	6	r	4	60	55	c,r	0.5	0.35
	Scilly (St. Mary's)...	29.76	61	S	4	0	29.58	–.26	60	59	0	SW	4	op	4	64	57	c,0	1.0	0.42
	Jersey (St. Aubins)...	29.85	70	N	1	ogm	29.76	–.19	60	59	– 4	SSE	3	or	3	73	60	c,ogm	9.7	0.05
	Portland Bill ...	29.87	60	SW	2	c	?29.72	–.23	58	56	– 2	SW	3	r	2	64	55	8c,c	*	0.01
	Dungeness ...	29.90	63	S	2	c	29.74	–.21	64	61	+ 2	ENE	1	c	0	67	60	8c,c	10.7	–
	Wick	29.87	53	E	4	8c	29.80	–.03	51	49	+ 1	E	5	0	3	58	?48	–	*	–
	Nairn	29.80	57	ESE	3	c	29.73	–.05	56	52	+ 1	ESE	3	c	2	63	43	–	*	0.03
	Aberdeen ...	29.87	54	E	3	8	29.81	.00	52	51	– 3	ESE	4	0	3	59	51	8,c,p	9.8	0.01
	Leith	29.79	54	E	2	0	29.71	–.02	56	55	+ 1	ENE	1	rm	*	58	53	0,r	*	0.18
	North Shields ...	29.78	55	NE	2	r	29.73	–.01	54	54	0	SE	1	rf	1	56	53	r	*	0.32
	Spurn Head ...	29.80	68	SW	3	c	29.73	–.07	59	57	+ 4	ESE	1	0	2	71	55	–	*	0.03
	Yarmouth ...	29.83	68	S	4	8	29.73	–.14	63	60	+ 2	SE	3	c	3	75	58	8	*	–
	Nottingham ...														*					
	Oxford	29.84	66	SSW	2	0	29.70	–.20	61	57	+ 1	SE	2	0	*	74	55	8c,0,p	*	–
	London (Brixton)...	29.84	72	SW	1	8c	29.71	–.21	62	58	0	SE	1	0	*	77	57	8c,c	7.8	–
GERMANY, &c.	The Scaw (Skagen)	29.81	53	NW	3	8c	29.87	+.07	58	52	+ 3	WSW	2	8	0	59	50	–	*	–
	Fanö	29.91	53	NE	1	c	29.94	+.01	55	53	– 1	E	2	8	*	57	45	–	*	0.12
	Cuxhaven ...	29.91	58	W	1	0	29.93	–.04	59	57	+ 3	S	2	8	*	61	55	–	*	0.12
	The Helder ...	29.87	61	WSW	2	c	29.80	–.13	66	62	+ 4	SE	1	8c	1	66	54	–	*	–
	Brussels	*	*	*	*	*	29.78	–.21	74	61	+ 11	SSE	4	c	*	79	59	–	*	–
	Berlin	29.92	66	SSW	1	0	29.99	–.06	63	58	+ 4	SE	1	8	*	72	55	–	*	–
	Frankfürt ...	29.92	69	S	1	8	29.90	–.12	68	59	+ 7	E	1	8	*	81	55	–	*	–
	Munich	30.06	66	Z	0	8	30.08	–.04	68	64	+ 10	Z	0	8	*	75	55	–	*	–
FRANCE.	C. Gris Nez ...	29.84	66	E	2	8	?29.75	–.24	70	60	+ 11	Z	0	c	0	72	59	–	*	–
	Brest	29.86	62	S	3	*	29.70	–.23	60	59	+ 2	S	4	r	4	68	57	–	*	–
	Lorient	29.89	67	W	1	c	29.77	–.18	63	61	+ 6	S	5	8	3	73	57	–	*	–
	Rochefort ...	29.84	73	NW	2	8c	29.83	–.13	63	62	+ 1	E	3	0	*	82	59	8,8c	*	0.20
	Biarritz	29.85	89	Z	0	8c	29.87	–.08	67	65	+ 3	S	1	8	1	95	61	–	*	–
	Paris	29.88	81	SSW	2	8	29.82	–.20	70	62	+ 9	SW	2	8c	*	84	60	–	*	–
	Belfort	29.92	74	Z	0	m	29.92	–.11	67	61	+ 9	Z	0	m	*	80	58	–	*	–
	Lyons	29.93	81	S	2	8	29.94	–.11	74	64	+ 8	SE	1	c	*	87	60	–	*	–
	Nice																		*	
	Perpignan ...	29.95	75	NE	1	8	29.95	–.06	68	56	– 3	W	1	0	*	80	61	–	*	–
SPAN. PEN.	Corunna																		*	
	Lisbon														*				*	
	Azores (P. Delgada)																		*	
	" (Horta) ...	30.00	69	N	3	8	30.02	+.13	69	65	– 1	SW	1	c	2	73	64	–	*	–

NOTE: *The Sunshine for London given in this Table is recorded on the Tower of the Wesleyan Training College, Westminster: the Sunshine entered to Dungeness is recorded at Littlestone-on-Sea.*

* *Observations for this column not generally received.*

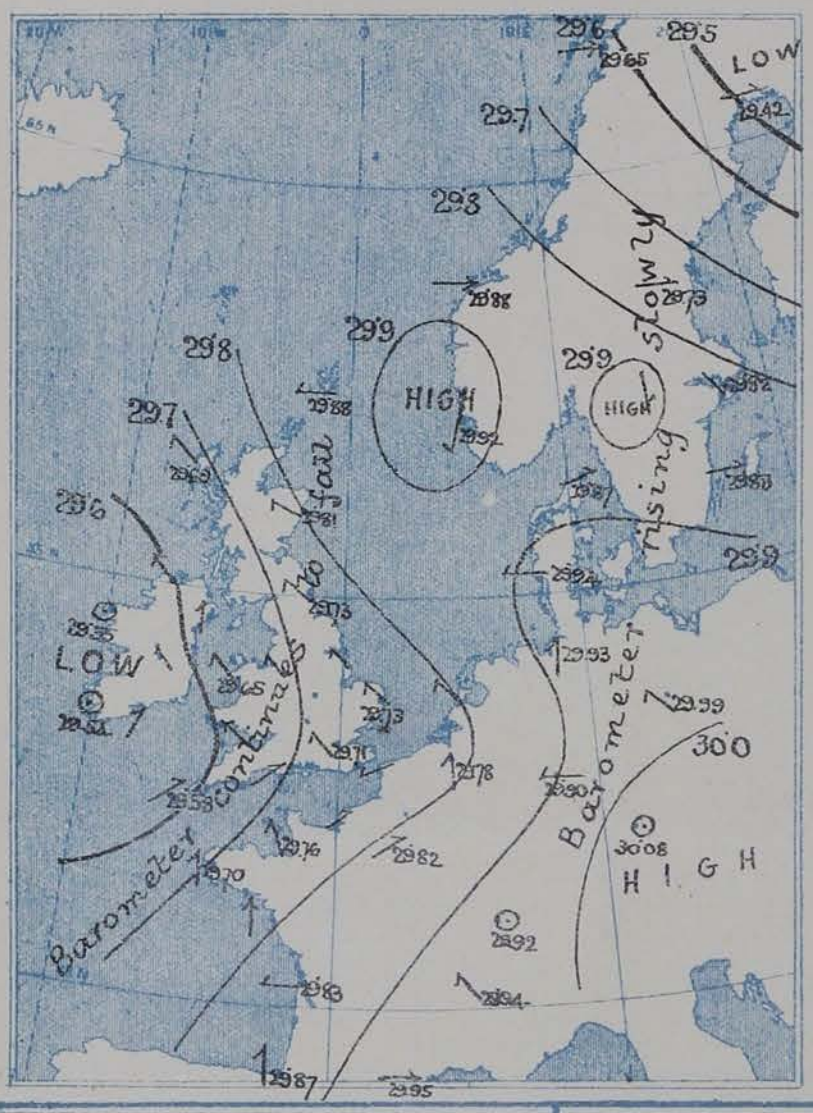
† *Observations received too late for insertion in Charts on next page.*

WEATHER CHARTS

FOR Thursday, 16th July, 1903.

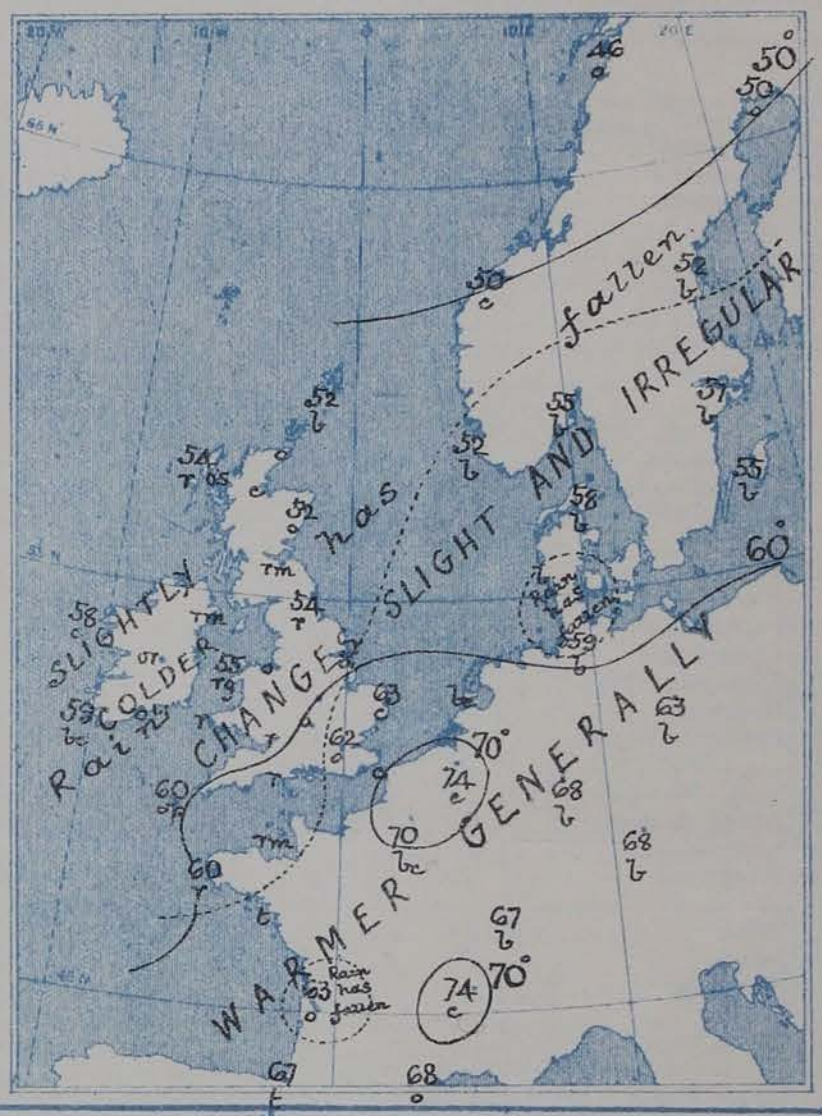
I. BAROMETER, WIND AND SEA. *This Morning.*

BAROMETER.—Isobars are drawn for each tenth of an inch.
WIND.—Arrows show Directions and Force, flying with the wind.
Force above 10 — *Force 8 to 10* — *Force 5 to 7* — *Force 1 to 4* — Calm ⊙
SEA.—Rough *High*



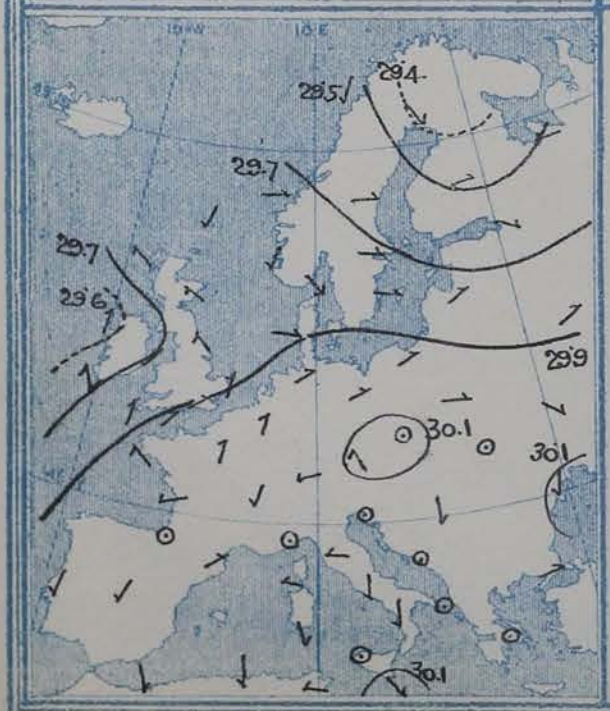
II. TEMPERATURE AND WEATHER. *This Morning.*

TEMPERATURE.—Isotherms are drawn for each 10°.
WEATHER.—Shown by Letters of the Beaufort Scale. *(See P. 4.)*
RAINFALL.—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—(6)



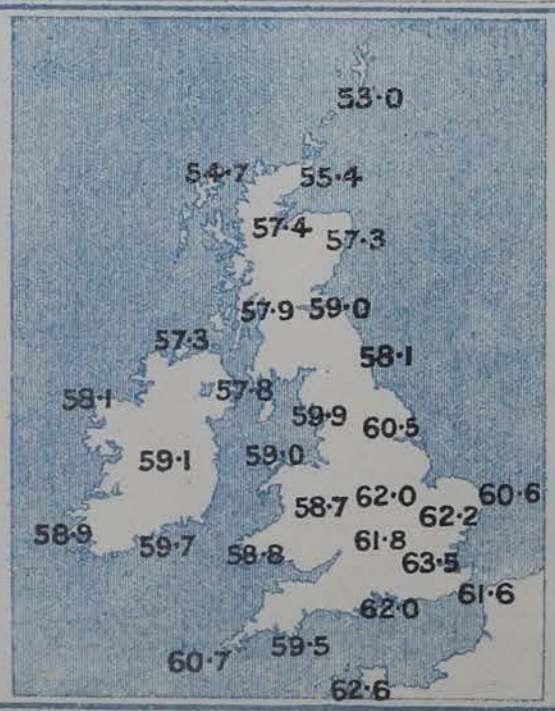
III BAROMETER AND WIND

Yesterday morning.



IV. *Averages of* DAILY MAXIMUM *and* MINIMUM TEMERATURES

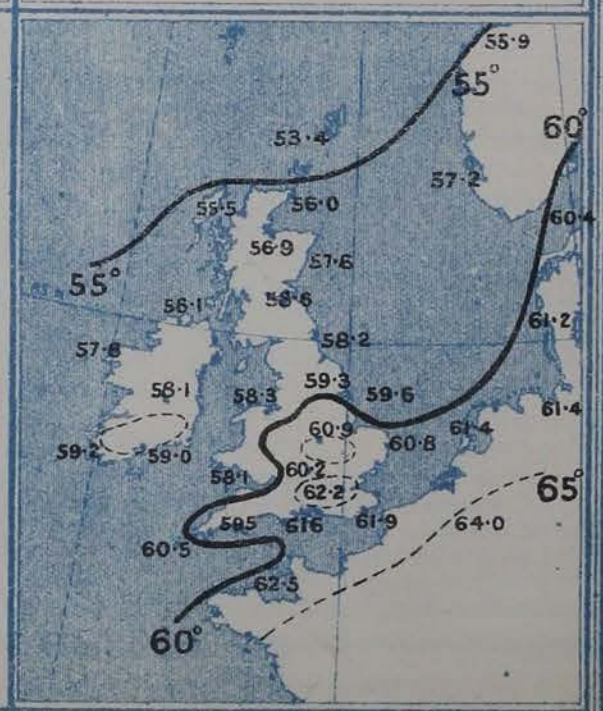
Combined for the month of JULY. *(1871–1900)*



V. *Means of* DAILY TEMPERATURE

at 8 A.M. for the Monthly period

JULY. *(1871–1900.)*



GENERAL SITUATION AT 8 A.M.

PRESSURE

The anticyclone noticed yesterday over the southern parts of our area has moved eastwards to Germany and central France, while the depression off the Irish coasts has spread in a similar direction over all the more western and northern parts of the United Kingdom, its centre being at present situated off the northwest of Ireland. Owing to these changes the barometer is still falling over the greater part of the United Kingdom, and also in the north and west of France, but in the west of Ireland it is beginning to rise again. The highest pressures, 30·1 ins. and upwards, are found over Bavaria; the lowest, 29·4 ins. and less, over Lapland. In the barometric minimum off the NW of Ireland the mercury is apparently not much below 29·6 ins.

WIND

Over the United Kingdom the wind circulates round the western depression, being S^ly or SW^ly over the greater part of England and Ireland, but SE^ly or E^ly in Scotland; and while fine weather still prevails both in the north of Scotland and the southeast of England, rain is falling over nearly the whole of Ireland and the northern parts of England and Wales. In France the wind is light and variable, and in Germany it varies between SE and SW; in Scandinavia and Denmark it is influenced by the depression over Lapland, and is chiefly W^ly or NW^ly.

TEMPERATURE

At nearly all the continental stations the weather is fine. A fairly general rise of temperature has occurred over western Europe, and in the south of our Islands where the thermometer is slightly above 60°, the readings now differ but little from the average.

WEATHER AND SEA

In other parts of our area the weather is still cool for the time of year; at several of our own northern stations the thermometer is below 55°, while in the Shetlands and the west of Norway it is slightly below 50°. The sea is smooth generally, but moderate on the Irish coasts.

During yesterday the thermometer rose to 65° and upwards at several of the English stations and to 69° in London; on many parts of our western and northern coasts it did not reach 60°. The amount of bright sunshine was generally small but was as much as 13·0 hours at Jersey and 11·0 hours at Stornoway. Heavy rain has fallen in Ireland and the northern parts of England and Wales, the amount being as large as 1·1 inch at Holyhead, Donaghadee and Valencia and 0·9 inch at Blacksod Point. Thunder occurred at Jersey during the night.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The western depression will probably continue to spread eastwards, and is likely to become more complex in form. The rain in the north of England is likely to continue, and similar weather will extend shortly, both to the north of Scotland, and to most parts of our southern and southeastern counties.

FORECASTS*

For the 24 hours ending at NOON on 16th July 1903

DISTRICTS.		FORECASTS.
0	SCOTLAND NORTH	E^ly winds, moderate or fresh; fair at first, then dull and rainy.
1	SCOTLAND EAST	E^ly winds, light or moderate; dull, rainy.
2	ENGLAND N.E.	Light breezes, chiefly S^ly; dull, rainy.
3	ENGLAND EAST	SW^ly winds, moderate; fine today, some rain tonight or tomorrow.
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	
6	SCOTLAND WEST	Same as No. 1
7	ENGLAND N.W.	S^ly or SW^ly winds, moderate; dull, rain at times.
8	ENGLAND S.W.	S^ly to SW^ly or W^ly winds, freshening; cloudy showery.
9	IRELAND NORTH	SW^ly to W^ly winds, strong in places; dull, rain at times.
10	IRELAND SOUTH	Same as No. 8.
	WARNINGS	At noon yesterday, to district 10 and part of 9. "Hoist South Cone."

Note.—**The South Cone,** *point downwards* (▼), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the *North* Cone is hoisted in preference to the *South* Cone.

The **North Cone,** *point upwards* (▲), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the *South* Cone is hoisted in preference to the *North* Cone.

* *For terms for transmission of Forecasts by Telegraph, see next page.*

ADDITIONAL OBSERVATIONS made at Stations in the UNITED KINGDOM.

TELEGRAPHIC REPORTS TO-DAY.	Yesterday 6 p.m.					This Morning 8 a.m.									Past 24 Hours.				
	Bar. Ins.	Temp. °	Wind Direc.	Wind Force	Weather.	Barometer. Ins.	Barometer. Change	Temperature Dry.	Temperature Wet.	Temperature Change	Wind Direc.	Wind Force	Weather.	Sea.	Temperature Max.	Temperature Min.	Weather	Sunshine. Hrs.	Rainfall Ins.
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	*	*	8c	*	66	56	8c, c	7·3	–
Bath	29.96	61	w	2	8	29.90	– ·10	61	55	+ 3	w	3	8	*	66	55	–	3·0	–

REPORTS FOR YESTERDAY.

STATIONS.	Temperture F. Max.	Temperture F. Min.	Weather.	Sunshine. Hrs.	Rainfall. Ins.	STATIONS.	Temperature F. Max.	Temperature F. Min.	Weather.	Sunshine. Hrs.	Rainfall. Ins.
Southport, to 9 p.m.... ...	59	51	o, op, od	0·0	0·13	Broadstairs...	*	*	*	3·2	*
Rhyl, to 6 p.m....	*	*	*	0·0	*	Margate to 6 p.m.	*	*	*	2·5	*
Llandudno 6 6p.m.... ...	*	*	*	0·0	*	Lowestoft, to 6 p.m. ...	62	45	8c, o	5·8	–
Aberystwyth, to 6 p.m. ...						Scarborough	*	*	*	4·5	*
Plymouth, to 9 p.m.... ...	63	46	8c, 8cp	8·1	–	Harrogate, to 6 p.m. ...	60	44	m, c, d	0·1	0·04
Worthing	*	*	*	7·2	*	Manchester, to 9 p.m. ...	62	48	od, or	0·0	0·14
Brighton	*	*	*	7·3	*	Darwen, to 9 p.m.	57	46	o, m, r	0·0	0·19
Eastbourne, to 6 p.m. ...	*	*	*	8·6	*	Birmingham, to 9 p.m. ...	61	48	c, o, r	0·7	0·15
Hastings	*	*	*	8·0	*						

TEMPERATURE, WEATHER, and RAINFALL at additional FOREIGN STATIONS, mainly for the 24 hours ended at 8 a.m. yesterday.

STATIONS. 14th July, 1903.	Temperature, F. Max.	Temperature, F. Min.	Weather.	Rain. Ins.	STATIONS. 13th July, 1903	Temperature, F. Dry. 1 p.m.	Temperature, F. Wet.	Weather. 1 p.m.	Rain. Ins. Measured 7 a.m.
Marseilles	Information	not received.			Geneva	81	*	8c	–
Utrecht...					Berne	68	*	8r+	0·28
Copenhagen					Lucerne	70	*	c	0·16
Prague ..., ...					Coire	72	*	o	0·04
Vienna					Castasegna	68	*	o	–
Buda-Pesth					Lugano	79	*	c	–
St. Petersburg									
Rome									
Malta									
Madeira (Funchal)									

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

TABLE SHOWING THE LOCAL STANDARD TIMES AND THE CORRESPONDING GREENWICH TIMES OF THE OBSERVATIONS RECORDED ON PAGE 1.

COUNTRIES, &c.	Hours of Morning Observations by Local Standard Time.	Corresponding Greenwich Times.	Hours of Evening Observations by Local Standard.	Corresponding Greenwich Times.
British Isles, Belgium† ...	8 a.m. (West European)	8 a.m.	6 p.m. (W.E.T.)	6 p.m.
Holland	8 a.m. (,, ,,)	8 a.m.	7 p.m. (W.E.T.)	7 p.m.
Germany, Denmark, Norway, Sweden	8 a.m. (Mid-European)	7 a.m.	8 p.m. (M.E.T.)	7 p.m.
France	7 a.m. (Paris)	6.51 a.m.	6 p.m. (Paris)	5.51 p.m.
Spain	8 a.m. (West European)	8 a.m.	6 p.m. (W.E.T.)	6 p.m.
Portugal	8 a.m. (Lisbon)	8.36 a.m.	3.23 p.m. (Lisbon)	4 p.m.
Azores { Ponta Delgada	6 a.m. (Local)	7.43 a.m.	9 p.m. (Local)	10.43 p.m.
Azores { Horta	6 a.m. (Local)	7.55 a.m.	9 p.m. (Local)	10.55 p.m.

TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON, AND SUNSET, FOR STATIONS IN THE UNITED KINGDOM, TO-DAY.

15th July, 1903.	Sunrise G.M.T.	Noon G.M.T.	Sunset G.M.T.
Yarmouth	3.48	11.59	8.9
Greenwich	4.2	12.6	8.10
Wick	3.31	12.18	9.4
Valencia	4.39	12.47	8.54

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FORECASTS OF WEATHER for one day in advance are drawn up at the Meteorological Office at 11 a.m., and between 7 and 8 p.m. The latest forecast can be had by Reply Telegram, on paying at any Post Office in the United Kingdom **Sixpence in addition to the cost of the inquiry and reply Telegrams.** Information as to the Terms on which Forecasts can be sent daily, for a long or short period, may be obtained on application to the Meteorological Office, 63, Victoria Street, S.W., either personally or by post.

† The evening observations in Belgium are not given on page 1.

‡ At Oxford the observations are taken at 8 p.m.

DAILY WEATHER REPORT

for 8 a.m. on Thursday, 17th July, 1903.

Issued by the METEOROLOGICAL OFFICE, 63, Victoria Street, London. W. N. SHAW, *Secretary.*

	STATIONS.	YESTERDAY EVENING. (See note on last page.) Barom. At 32° and M.S.L. Ins.	Temp. Dry Bulb. °	Wind. Direc.	Wind. Force (0 to 12.)	Weather	THIS MORNING. (See note on last page.) Barometer. At 32° At 32° Fahr. and M. S. L. Ins.	Change since Yesterday. Ins.	Temperature. Dry Bulb. °	Wet Bulb. °	Change since Yesterday. °	Wind. Direc.	Wind. Force (0 to 12.)	Weather.	Sea (0 to 9.)	PAST 24 HOURS. Temp. Max. °	Temp. Min. °	Weather	Sunshine. Hours.	Rainfall. Ins.
SCANDINAVIA.	Haparanda ...	29.80	49	N	0	c	29.89	+.47	54	47	+ 4	S	2	b	*	54	48	–	*	0.08
	Hernösand ...	29.90	52	N	0	b	29.96	+.23	55	49	+ 3	E	4	b	*	64	45	–	*	–
	Stockholm ...	29.95	59	S	2	b	29.93	+.11	64	59	+ 7	SSE	2	0	*	68	48	–	*	–
	Wisby	29.98	55	S	2	b	29.97	+.09	60	57	+ 5	S	2	0	*	63	52	–	*	–
	Karlstad	29.89	60	S	2	b	29.84	–.10	57	54	+ 4	SE	2	r	*	*	*	–	*	–
	Færder (X'iania Fjord)	29.88	58	SSW	4	c	29.78	–.10	55	52	0	ESE	4	r	1	63	54	–	*	0.08
	Bodö	?29.83	45	SW	4	r	29.85	+.20	47	45	+ 1	E	2	r	1	47	43	–	*	0.28
	Christiansund ...	29.92	50	W	1	c	29.85	–.03	51	48	+ 1	ENE	4	b	3	52	43	–	*	–
	Skudesnaes ...	29.82	56	NNW	2	b	29.65	–.27	54	51	+ 2	NE	2	r	1	61	52	b	*	*
BRITISH ISLANDS.	Sumburgh Head	29.79	52	ESE	3	b	29.69	–.19	50	47	– 2	NE	5	c	6	55	47	b	*	–
	Stornoway ...	29.62	55	SE	2	r	29.62	–.07	52	50	– 2	E	3	0	3	56	48	r	0.0	0.22
	Malin Head ...	29.51	56	ESE	2	om	29.49	–.09	54	54	0	ESE	4	om	3	57	54	o, om	*	0.04
	Blacksod Pt. ...	29.50	62	NE	3	b	29.48	–.07	59	57	+ 1	NE	3	c	3	64	56	bc, b	*	–
	Valencia	29.48	63	SSE	2	0	29.45	–.09	59	57	0	N	0	c	3	67	55	bv, o	6.0	0.22
	Roche's Point ...	29.52	62	SSW	3	c	29.46	–.07	61	60	+ 1	S	2	bc	2	65	57	bcz, c	*	0.02
	Parsonstown ...	29.48	66	E	1	c	29.49	–.07	63	60	+ 7	E	1	b	*	68	54	or, c	3.3	0.50
	Donaghadee ...	29.54	55	E	1	r	29.51	–.16	55	55	+ 1	N	0	f	1	56	53	–	*	0.22
	Liverpool Obsy.	29.52	60	SSE	1	r	29.54	–.12	61	58	+ 3	SW	1	bc	1	62	55	op	*	0.09
	Holyhead ...	29.51	57	SW	2	f	29.52	–.13	57	57	+ 2	SW	2	f	1	60	54	dmf	*	0.13
	Pembroke (St. Ann's)	29.55	59	SW	4	c	29.51	–.07	58	57	+ 2	SE	5	cg	4	60	55	c, cg	1.1	0.19
	Scilly (St. Mary's)...	29.59	65	SW	3	c	29.55	–.03	62	60	+ 2	S	2	c	4	69	58	c	11.6	0.26
	Jersey (St. Aubins)...	29.67	63	S	3	bc	29.64	–.12	61	59	+ 1	SSW	3	og	2	66	54	g, or, bcp	2.5	0.17
	Portland Bill ...	29.63	60	SSW	3	p	29.60	–.12	58	57	0	SW	3	f	2	63	55	op	*	0.02
	Dungeness ...	29.72	60	S	4	bc	29.62	–.12	63	60	– 1	WSW	3	bc	1	65	56	cp, bc	1.9	0.12
	Wick	29.71	50	E	4	r	29.64	–.16	49	48	– 2	N	3	r	3	53	48	–	*	0.35
	Nairn	29.62	53	SE	2	r	29.61	–.12	49	49	– 7	E	4	r	2	60	48	–	*	0.42
	Aberdeen ...	29.64	52	E	4	rg	29.56	–.25	50	50	– 2	NNE	4	or	4	53	50	rg, or	0.0	1.20
	Leith	29.56	56	ENE	1	r	29.51	–.20	53	53	– 3	NNE	2	r	*	57	52	r	*	1.02
	North Shields ...	29.55	55	ESE	1	r	29.49	–.24	58	57	+ 4	SW	1	om	1	58	54	f, r	*	0.47
GERMANY, &c.	Spurn Head ...	29.58	62	ESE	3	c	29.54	–.19	62	60	+ 3	SW	2	b	2	63	57	–	*	–
	Yarmouth ...	29.65	64	S	4	c	29.56	–.17	63	59	0	WSW	3	c	2	67	56	r, o	*	0.04
	Nottingham ...														*					
	Oxford	29.61	60	S	2	0	29.59	–.11	61	58	0	N	0	0	*	64	55	o, p	*	0.09
	London (Brixton)...	29.64	63	SW	1	0	29.59	–.12	62	59	0	SW	1	bc	*	67	55	or, c, op	0.1	0.06
	The Scaw (Skagen)	29.83	60	S	2	c	29.66	–.21	57	57	– 1	ESE	4	r	1	68	55	–	*	0.39
	Fanö	29.75	61	ESE	4	0	29.65	–.29	62	60	+ 7	SW	1	0	*	68	55	–	*	0.20
	Cuxhaven ...	29.75	69	E	3	0	29.67	–.26	62	61	+ 3	S	2	0	*	72	59	o, r	*	0.12
	The Helder ...	29.68	61	WNW	1	0	29.58	–.22	63	61	– 3	S	1	c	0	79	55	–	*	0.08
	Brussels	*	*	*	*	*	29.62	–.16	62	62	– 12	W	1	r	*	84	60	–	*	0.08
	Berlin	29.84	75	SE	1	b	29.69	–.30	70	65	+ 7	SSE	2	0	*	82	63	–	*	–
	Frankfürt ...	29.73	76	W	2	c	29.68	–.22	65	63	– 3	SW	2	r	*	88	64	–	*	2.60
	Munich	29.93	71	SE	2	c	29.81	–.27	71	65	+ 3	N	0	c	*	81	63	–	*	0.04
FRANCE.	C. Gris Nez ...	29.71	63	SW	3	b	29.62	–.13	60	59	– 10	WSW	2	0	2	70	59	–	*	–
	Brest	29.68	63	SSW	3	bc	29.60	–.10	61	60	+ 1	SSW	2	c	3	64	57	–	*	0.24
	Lorient	29.80	68	W	3	b	29.65	–.12	63	61	0	WSW	3	bc	4	75	59	–	*	0.20
	Rochefort ...	29.76	68	WSW	1	0	29.73	–.10	65	62	+ 2	W	3	c	*	75	61	0	*	0.20
	Biarritz	29.80	72	W	3	0	29.82	–.05	67	66	0	W	3	0	2	73	61	–	*	0.28
	Paris	29.76	67	SSW	2	0	29.67	–.15	62	61	– 8	SSW	2	0	*	75	61	–	*	0.51
	Belfort	29.78	75	WSW	4	0	29.71	–.21	62	60	– 5	W	2	r	*	86	62	–	*	0.08
	Lyons	29.86	77	SW	2	0	29.80	–.14	66	61	– 8	S	1	r	*	84	62	o, b	*	0.04
	Nice																		*	
	Perpignan ...	29.84	73	NE	1	c	29.75	–.20	69	66	+ 1	N	2	bc	*	81	62	–	*	–
SPAN. PEN.	Corunna																		*	
	Lisbon	29.99	67	WSW	5	0	29.95	–.05	67	64	– 1	SW	4	0	*	72	63	–	*	0.72
	Azores (P. Delgada)																		*	
	" (Horta) ...	30.14	66	N	3	0	30.20	+.18	65	61	– 4	NW	1	0	2	73	64	–	*	–

NOTE: *The Sunshine for London given in this Table is recorded on the Tower of the Wesleyan Training College, Westminster: the Sunshine entered to Dungeness is recorded at Littlestone-on-Sea.*

* *Observations for this column not generally received.*

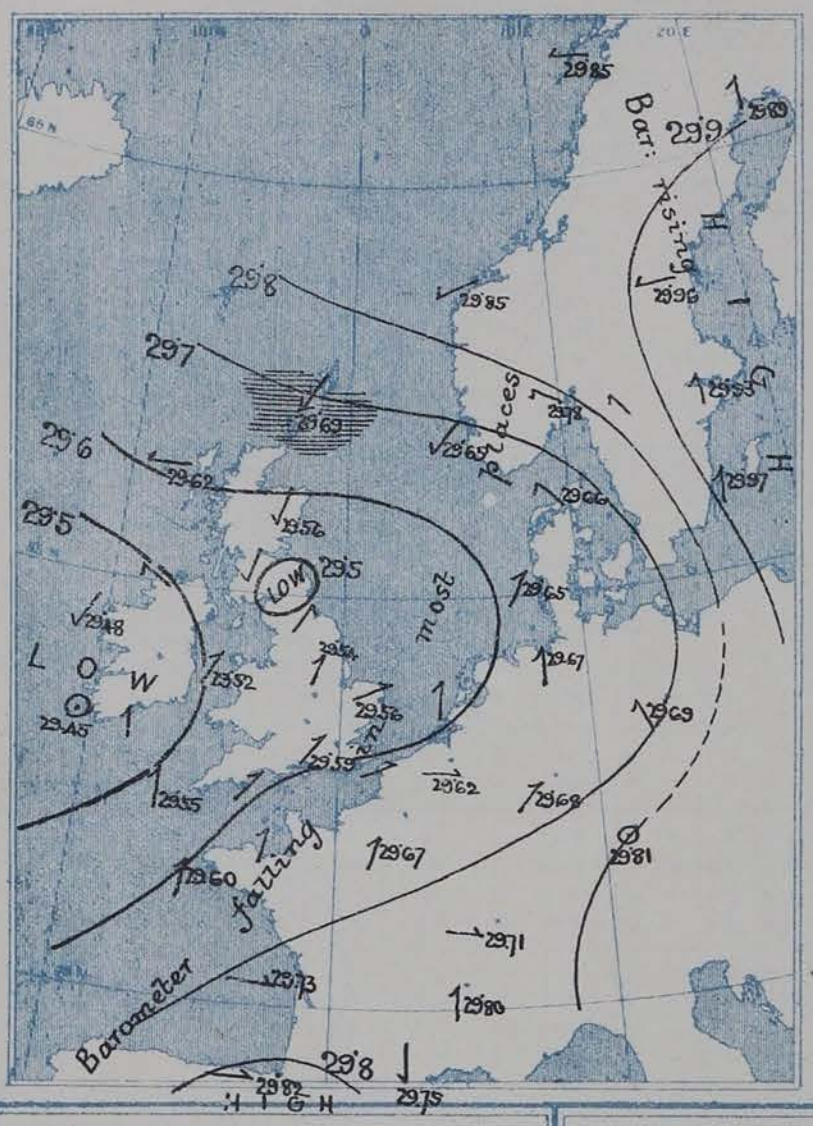
† *Observations received too late for insertion in Charts on next page.*

WEATHER CHARTS

FOR FRIDAY, 17th JULY, 1903.

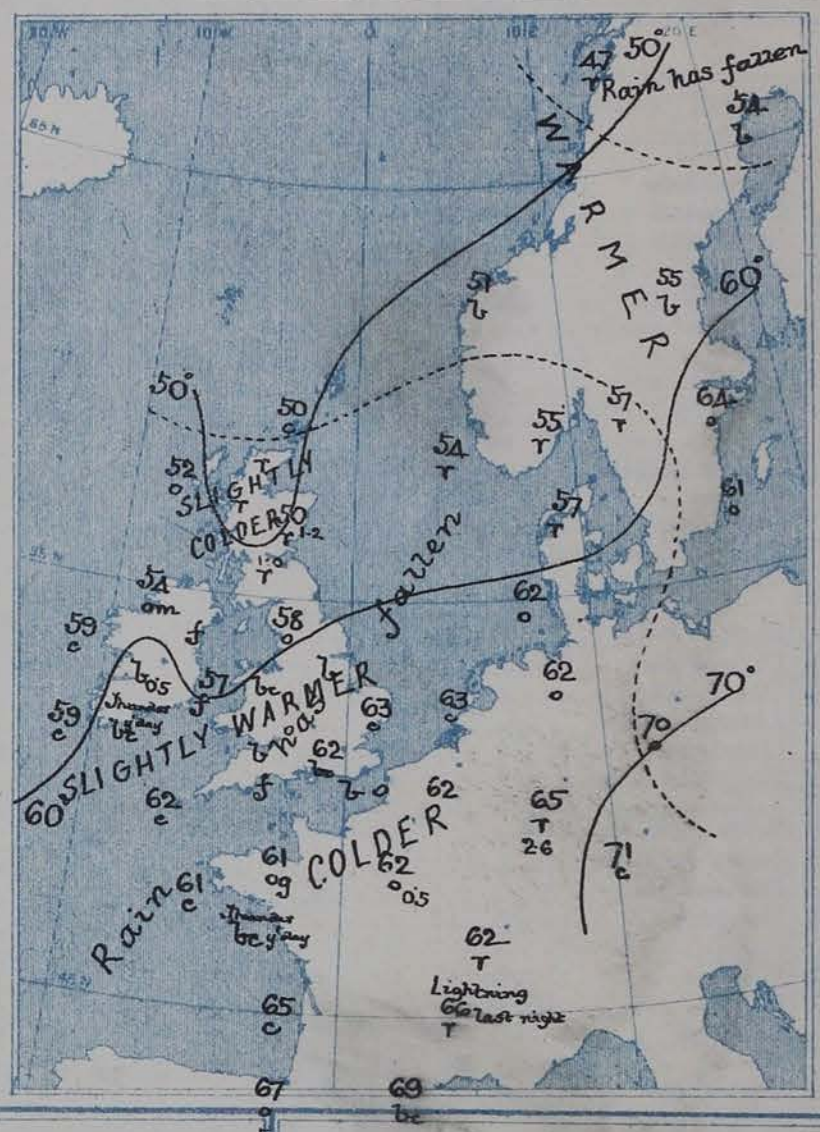
I. BAROMETER, WIND AND SEA. *This Morning.*

BAROMETER.—Isobars are drawn for each tenth of an inch.
WIND.—Arrows show Directions and Force, flying with the wind.
Force above 10 ⟹ ⟶ : *Force 5 to 7* ⟶ : } Calm ⊙
Force 8 to 10 ⟹ ⟶ : *Force 1 to 4* ⟶ : }
SEA.—Rough ▒ *High* ▓



II. TEMPERATURE AND WEATHER. *This Morning.*

TEMPERATURE.—Isotherms are drawn for each 10°.
WEATHER.—Shown by Letters of the Beaufort Scale. (See P. 4.)
RAINFALL.—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0·6

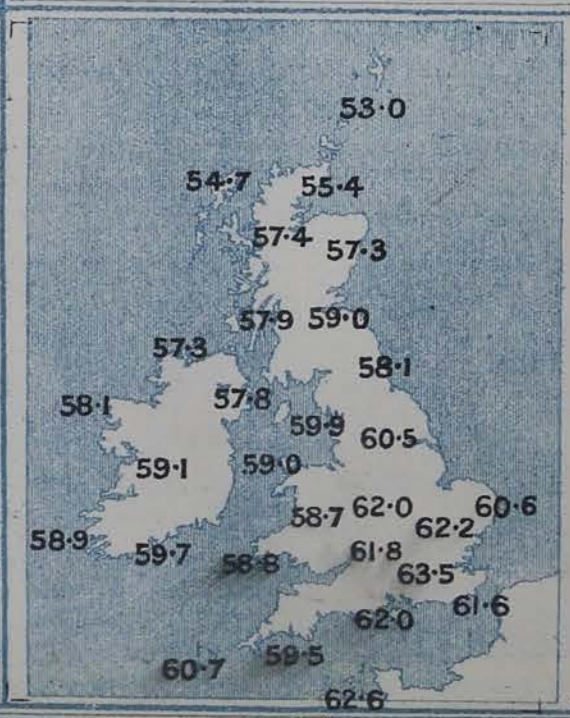


III. BAROMETER AND WIND

Yesterday morning.

IV. *Averages of* DAILY MAXIMUM *and* MINIMUM TEMERATURES

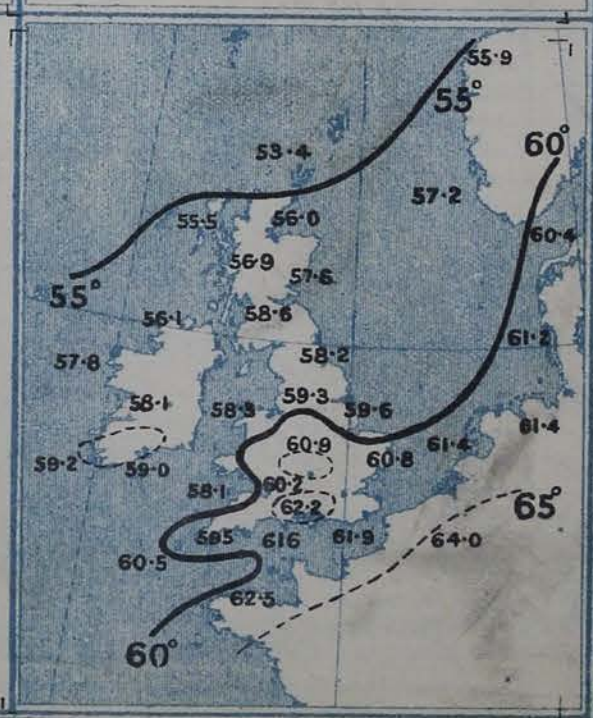
Combined for the month of JULY. *(1871–1900)*



V. *Means of* DAILY TEMPERATURE

at 8 A.M. for the Monthly period

JULY. *(1871–1900.)*



GENERAL SITUATION AT 8 A.M.

PRESSURE

The cyclonic disturbance noticed yesterday in the west has continued to spread eastwards, and now covers the whole of these Islands and the adjacent parts of the Continent, the central portion of the system, with readings below 29.6 ins., being situated over Ireland and extreme southwest of Great Britain. The barometer continues to fall over the United Kingdom, the Netherlands and the north and west of France but is rising in Scandinavia, Denmark and north Germany. The highest pressures, 29.9 ins. and upwards, are found over Germany and the east and south of France, and also in two small areas over the south of Scandinavia; the lowest, 29.5 ins. and less, are reported over Lapland.

WIND

The wind is S^ly or SW^ly over the Bay of Biscay and the western parts of the Channel, and SE^ly over the Netherlands and the greater part of the United Kingdom, but is calm on the west coasts of Ireland. In Scandinavia it is chiefly W^ly, but in the south of Norway it is N^ly, while in Denmark and Germany it is variable.

TEMPERATURE

Temperature has fallen slightly in the west of our Islands and is below the average at all but our southeastern stations, the readings being below 55° at many places in the north. In the east and southeast of England the thermometer is above 60°, while in France, Germany and the Netherlands it is above 65°, the highest readings reported being 74° at Brussels and Lyons and 70° at Paris and Cape Gris Nez.

WEATHER AND SEA

The weather is cloudy or dull in nearly all parts of the United Kingdom, and also in the north and west of France, with rain in several places, and with thunder at Lorient and Biarritz. Over Scandinavia, Denmark, Germany, and the Netherlands the weather is mostly fine. The sea is slight or smooth generally.

During yesterday the thermometer rose to 70° and upwards at most of our eastern and southern stations and to 77° in London; at many places in the north it did not reach 60°. The amount of bright sunshine was large on our south and southeast coasts, and also in the Hebrides (more than 10 hours in several places), but was small elsewhere. Rain fell at nearly all our western and northern stations, the amount at Roche's Point being as much as 1.1 inch, and thunder was heard at Donaghadee. Solar halos were seen at Oxford, Jersey and Portland Bill.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The western disturbance will probably continue to extend eastwards, and small secondary systems are likely to be developed over various parts of the United Kingdom and France. Unsettled weather is probable in all districts, with rain over nearly the whole country, and thunder in many parts of England.

FORECASTS*

For the 24 hours ending at NOON on 17th July 1903

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH 1 SCOTLAND EAST	E^ly and SE^ly winds, moderate or fresh; dull, unsettled, some rain.	6 SCOTLAND WEST	Same as Nos. 0 and 1.
2 ENGLAND N.E. 3 ENGLAND EAST 4 MIDLAND COUNTIES 5 ENGLAND SOUTH	S^ly and SE^ly winds, light; close, unsettled, some rain, thunderstorms in places.	7 ENGLAND N.W.	Same as No. 5.
		8 ENGLAND S.W.	S^ly winds, moderate or fresh; unsettled, some rain, thunderstorms in places.
		9 IRELAND NORTH 10 IRELAND SOUTH	Light variable breezes, changeable, showery, thunder locally.
		WARNINGS	None issued.

Note.—The **South Cone**, *point downwards* ( ), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the *North* Cone is hoisted in preference to the *South* Cone.

The **North Cone**, *point upwards* ( ), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the *South* Cone is hoisted in preference to the *North* Cone.

* *For terms for transmission of Forecasts by Telegraph, see next page.*

ADDITIONAL OBSERVATIONS made at Stations in the UNITED KINGDOM.

TELEGRAPHIC REPORTS TO-DAY.	Yesterday 6 p.m.					This Morning 8 a.m.									Past 24 Hours.				
	Bar. Ins.	Temp. °	Wind Direc^n	Wind Force	Weather.	Barometer. Ins.	Barometer. Change	Temperature Dry.	Temperature Wet.	Temperature Change	Wind Direc^n	Wind Force	Weather.	Sea.	Temperature Max.	Temperature Min.	Weather	Sunshine. Hrs.	Rainfall Ins.
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	*	*	c	*	71	60	b,bo	10.8	–
Bath	29.84	60	w	2	b	29.69	-.21	58	55	-3	w	1	r	*	70	55	–	7.2	0.01

REPORTS FOR YESTERDAY.

STATIONS.	Temperture F. Max.	Temperture F. Min.	Weather.	Sunshine. Hrs.	Rainfall. Ins.	STATIONS.	Temperature F. Max.	Temperature F. Min.	Weather.	Sunshine. Hrs.	Rainfall. Ins.
Southport, to 9 p.m.... ...	66	53	or, c, o	3.2	0.45	Broadstairs to 6p.m.... ...	*	*	*	10.6	*
Rhyl, to 6 p.m.	*	*	*	4.0	*	Margate	*	*	*	10.1	*
Llandudno to 6p.m.... ...	*	*	*	3.2	*	Lowestoft, to 6 p.m. ...	74	52	or, bc, c	7.7	0.11
Aberystwyth, to 6 p.m. ...	63	59	c, o	1.0	0.15	Scarborough	*	*	*	0.0	*
Plymouth, to 9 p.m.... ...	63	57	bc	5.0	–	Harrogate, to 6 p.m. ...	66	51	r, cm	0.4	0.40
Worthing	*	*	*	11.8	*	Manchester, to 9 p.m. ...	69	52	or, o	0.5	0.40
Brighton	*	*	*	12.1	*	Darwen, to 9 p.m.	64	50	r, om, w	0.4	0.60
Eastbourne, to 6 p.m. ...	*	*	*	10.5	*	Birmingham, to 9 p.m. ...	69	52	o, c	3.2	0.06

TEMPERATURE, WEATHER, and RAINFALL at additional FOREIGN STATIONS, mainly for the 24 hours ended at 8 a.m. yesterday.

STATIONS. 15th July, 1908.	Temperature, F. Max.	Temperature, F. Min.	Weather.	Rain. Ins.	STATIONS. 14th July, 1908	Temperature, F. Dry. 1 p.m.	Temperature, F. Wet.	Weather. 1 p.m.	Rain. Ins. Measured 7 a.m.
Marseilles	82	63	o, f	–	Geneva	77	*	bc	–
Utrecht...	66	54	c, o	–	Berne	72	*	c	0.28
Copenhagen	63	50	c, o	–	Lucerne	72	*	bc	0.28
Prague	66	52	o, f	–	Coire	70	*	o	0.04
Vienna	73	59	c, b	–	Castasegna	70	*	c	–
Buda-Pesth	75	63	o, c	–	Lugano	75	*	bc	–
St. Petersburg	72	55	o, r	0.75					
Rome	82	64	o, o	0.04					
Malta	81	68	b	–					
Madeira (Funchal)	82	63	c, c	–					

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER,—*Beaufort Scale* is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

TABLE SHOWING THE LOCAL STANDARD TIMES AND THE CORRESPONDING GREENWICH TIMES OF THE OBSERVATIONS RECORDED ON PAGE 1.

COUNTRIES, &c.	Hours of Morning Observations by Local Standard Time.	Corresponding Greenwich Times.	Hours of Evening Observations by Local Standard.	Corresponding Greenwich Times.
British Isles, Belgium† ...	8 a.m. (West European)	8 a.m.	6 p.m. (W.E.T.)	6 p.m.
Holland	8 a.m. („ „)	8 a.m.	7 p.m. (W.E.T.)	7 p.m.
Germany, Denmark, Norway, Sweden	8 a.m. (Mid-European)	7 a.m.	8 p.m. (M.E.T.)	7 p.m.
France	7 a.m. (Paris)	6.51 a.m.	6 p.m. (Paris)	5.51 p.m.
Spain	8 a.m. (West European)	8 a.m.	6 p.m. (W.E.T.)	6 p.m.
Portugal	8 a.m. (Lisbon)	8.36 a.m.	3.23 p.m. (Lisbon)	4 p.m.
Azores { Ponta Delgada	6 a.m. (Local)	7.43 a.m.	9 p.m. (Local)	10.43 p.m.
Azores { Horta	6 a.m. (Local)	7.55 a.m.	9 p.m. (Local)	10.55 p.m.

TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON, AND SUNSET, FOR STATIONS IN THE UNITED KINGDOM, TO-DAY.

15th July, 1908.	Sunrise G.M.T.	Noon G.M.T.	Sunset G.M.T.
Yarmouth	3.49	11.59	8.8
Greenwich	4.3	12.6	8.9
Wick	3.33	12.18	9.2
Valencia	4.40	12.47	8.53

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„ Weekly „ „ „ £1 10 0 „ Single Copies, 6d.

Single Copies of the Daily Weather Report (price 1d.) may be obtained after 3 p.m. on the day of issue at the Meteorological Office, and at Messrs. W. H. SMITH & SONS' Bookstalls at the following terminus Railway Stations:—Victoria, Charing Cross, King's Cross, St. Pancras, Euston.

FORECASTS OF WEATHER for one day in advance are drawn up at the Meteorological Office at 11 a.m., and between 7 and 8 p.m. The latest forecast can be had by Reply Telegram on paying at any Post Office in the United Kingdom **Sixpence in addition to the cost of the inquiry and reply Telegrams.** Information as to the Terms on which Forecasts can be sent daily, for a long or short period, may be obtained on application to the Meteorological Office, 63, Victoria Street, S.W., either personally or by post.

† The evening observations in Belgium are not given on page 1.

‡ At Oxford the observations are taken at 8 p.m.

DAILY WEATHER REPORT

for 8 a.m. on Saturday, 18th July, 1903.

Issued by the METEOROLOGICAL OFFICE, 63, Victoria Street, London. W. N. SHAW, *Secretary.*

	STATIONS.	YESTERDAY EVENING. (See note on last page.) Barom. At 32° and M.S.L. Ins.	Temp. Dry Bulb. °	Wind. Direc.	Wind. Force (0 to 12.)	Weather	THIS MORNING. (See note on last page.) Barometer. At 32° Fahr. and M. S. L. Ins.	Change since Yesterday. Ins.	Temperature. Dry Bulb. °	Wet Bulb. °	Change since Yesterday. °	Wind. Direc.	Wind. Force (0 to 12.)	Weather.	Sea (0 to 9.)	PAST 24 HOURS. Temp. Max. °	Temp. Min. °	Weather	Sunshine. Hours.	Rainfall. Ins.
SCANDINAVIA.	Haparanda ...	29.91	52	S	2	b	29.91	+.02	59	54	+ 5	SW	2	b	*	61	46	-	*	-
	Hernösand ...	29.90	55	Z	0	bc	29.80	-.16	55	52	0	E	4	0	*	63	41	-	*	-
	Stockholm ...	29.73	55	E	6	r	29.42	-.51	59	58	- 5	ENE	6	r	*	64	50	-	*	0.75
	Wisby	29.63	59	WSW	4	r	29.43	-.54	62	58	+ 2	Z	0	0	*	66	50	-	*	0.32
	Karlstad	29.68	53	ENE	4	r	29.52	-.32	54	52	- 3	N	4	0	*	*	*	-	*	0.83
	Færder (X'iania Fjord)	29.68	55	NE	4	0	29.59	-.19	54	52	- 1	NNE	6	0	2	55	52	-	*	0.71
	Bodö	29.91	49	SSW	2	b	29.76	-.09	56	49	+ 9	E	4	b	1	?56	45	-	*	0.12
	Christiansund ...	29.73	55	NE	4	b	29.71	-.14	54	52	+ 3	W	1	c	2	59	46	-	*	-
	Skudesnaes ...	29.64	57	Z	0	0	29.65	.00	58	55	+ 4	Z	0	0	1	59	54	-	*	*
BRITISH ISLANDS.	Sumburgh Head	29.70	50	NE	5	bc	29.76	+.07	52	49	+ 2	NE	4	bc	6	54	44	b,bc	*	-
	Stornoway ...	29.70	55	E	4	0	29.81	+.19	49	47	- 3	ENE	2	0	2	58	45	0	4.5	-
	Malin Head ...	29.55	56	SE	3	orm	29.70	+.21	54	53	0	E	3	0	2	58	54	o,orm	*	0.01
	Blacksod Pt. ...	29.53	62	NE	4	c	29.67	+.19	61	58	+ 2	NE	3	bcm	3	64	58	c	*	0.01
	Valencia	29.51	64	W	2	cv	29.64	+.19	60	58	+ 1	Z	0	0	2	65	56	op,cv	6.9	0.07
	Roche's Point ...	29.52	64	S	2	bc	29.64	+.18	58	57	- 3	NNW	2	0	1	72	54	bc,f	*	-
	Parsonstown ...	29.48	66	Z	0	bc	29.65	+.16	56	55	- 7	ESE	1	or	*	68	51	bcp	6.3	0.03
	Donaghadee ...	29.54	60	N	1	m	29.68	+.17	54	54	- 1	N	1	0	3	60	53	-	*	0.01
	Liverpool Obsy.	29.56	59	NNW	1	r	29.63	+.09	57	55	- 4	E	1	m	?	65	56	o,bp	*	0.10
	Holyhead ...	29.56	61	E	1	cmp	29.63	+.11	58	57	+ 1	Z	0	om	0	66	55	c,cmp	*	0.03
	Pembroke (St. Ann's)	29.53	60	SSW	2	bc	29.62	+.11	59	57	+ 1	NE	1	cm	2	62	56	bc,m	7.2	0.06
	Scilly (St. Mary's)...	29.53	65	SSW	3	bc	29.60	+.05	61	58	- 1	W	1	bc	1	?68	57	c,bc	11.5	0.01
	Jersey (St. Aubins)...	29.62	61	S	3	ogp	29.65	+.01	61	59	0	SSW	3	cmg	3	63	54	cg,pg	2.6	0.19
	Portland Bill ...	29.61	61	SW	3	c	29.62	+.02	60	59	+ 2	WNW	1	cm	1	66	57	bc	*	-
	Dungeness ...	29.65	62	WSW	4	bc	29.63	+.01	63	62	0	W	2	bc	0	66	59	bc	12.6	0.03
	Wick	29.68	50	N	5	0	29.77	+.13	50	48	+ 1	N	4	0	3	53	47	-	*	0.03
	Nairn	29.66	51	E	3	r	29.78	+.17	49	46	0	E	1	cd	1	52	46	-	*	0.09
	Aberdeen ...	29.62	52	N	2	0	29.74	+.18	50	48	0	NNW	4	0	3	52	48	r,om,o	0.0	0.24
	Leith	29.61	53	NE	2	r	29.71	+.20	50	49	- 3	NNE	1	r	*	54	49	-	*	0.17
	North Shields ...	29.56	57	NNE	2	c	29.64	+.15	52	50	- 6	NNW	3	0	3	65	50	c	*	-
GERMANY, &c.	Spurn Head ...	29.46	64	SSW	3	c	29.62	+.08	54	53	- 8	N	4	c	3	67	53	c,bl	*	-
	Yarmouth ...	29.57	67	S	3	b	29.59	+.03	60	58	- 3	NNW	3	r	2	71	56	bc,b	*	0.07
	Nottingham ...														*					
	Oxford	29.59	63	S	2	b	29.62	+.03	59	57	- 2	S	1	0	*	70	57	pl,b	*	0.20
	London (Brixton)...	29.58	71	SW	3	bc	29.61	+.02	60	59	- 2	Z	0	orm	*	74	58	c,bc,fl	7.3	1.50
	The Scaw (Skagen)	29.57	59	NNE	1	m	29.52	-.14	55	54	- 2	NNE	3	r	1	68	54	-	*	0.24
	Fanö	29.57	59	SW	2	0	29.65	.00	59	58	- 3	W	3	0	*	64	57	-	*	0.12
	Cuxhaven ...	29.55	62	NW	1	r	29.68	+.01	60	58	- 2	WNW	3	bc	*	63	59	-	*	0.59
	The Helder ...	29.59	63	WNW	1	b	29.61	+.03	64	61	+ 1	SSW	1	0	0	70	52	-	*	-
	Brussels	*	*	*	*	*	29.65	+.03	59	59	- 3	SSE	2	r	*	72	54	-	*	0.35
	Berlin	29.59	67	SE	2	0	29.73	+.04	66	64	- 4	W	3	c	*	79	59	-	*	0.71
	Frankfürt ...	29.69	65	W	1	0	29.69	+.01	67	62	+ 2	SE	1	bc	*	72	57	-	*	2.13
	Munich	29.88	66	SW	5	0	29.87	+.06	69	64	- 2	SE	5	b	*	82	61	-	*	0.16
FRANCE.	C. Gris Nez ...	29.65	63	SW	3	b	29.67	.00	59	59	- 1	SSW	1	r	2	68	59	-	*	0.16
	Brest	29.62	64	SW	2	bc	29.65	+.05	60	59	- 1	SW	1	bc	2	68	57	-	*	-
	Lorient	29.64	66	WSW	3	0	29.65	.00	63	61	0	WNW	3	b	2	70	59	-	*	0.20
	Rochefort ...	29.69	68	SW	4	0	29.75	+.02	64	61	- 1	WSW	4	0	*	73	59	r,o	*	0.47
	Biarritz	29.70	79	Z	0	r	29.84	+.02	64	64	- 3	WSW	2	0	1	79	63	r,b	*	0.47
	Paris	29.69	65	NE	2	c	29.66	-.01	63	62	+ 1	W	1	c	*	73	60	-	*	0.63
	Belfort	29.72	68	W	4	c	29.70	-.01	61	60	- 1	Z	0	r	*	75	60	-	*	0.35
	Lyons	29.75	76	N	1	c	29.74	-.06	69	61	+ 3	S	2	c	*	82	66	-	*	0.16
	Nice	29.85	69	WSW	2	bc	29.87	-.01	70	65	- 2	ENE	2	bc	1	82	61	-	*	-
	Perpignan ...	29.76	75	E	2	bc	29.76	+.01	74	69	+ 5	Z	0	b	*	85	66	-	*	-
SPAN. PEN.	Corunna																		*	
	Lisbon	29.94	65	WNW	3	0	29.98	+.03	67	61	0	WNW	3	bc	*	72	63	-	*	0.04
	Azores (P. Delgada)	30.24	66	N	4	0	30.26	+.11	67	60	+ 1	N	4	c	2	75	64	-	*	-
	" (Horta) ...	30.30	66	NNE	3	0	30.36	+.16	66	60	+ 1	NE	3	c	3	70	64	-	*	-

NOTE: *The Sunshine for London given in this Table is recorded on the Tower of the Wesleyan Training College, Westminster: the Sunshine entered to Dungeness is recorded at Littlestone-on-Sea.*

* *Observations for this column not generally received.* † *Observations received too late for insertion in Charts on next page.*

WEATHER CHARTS

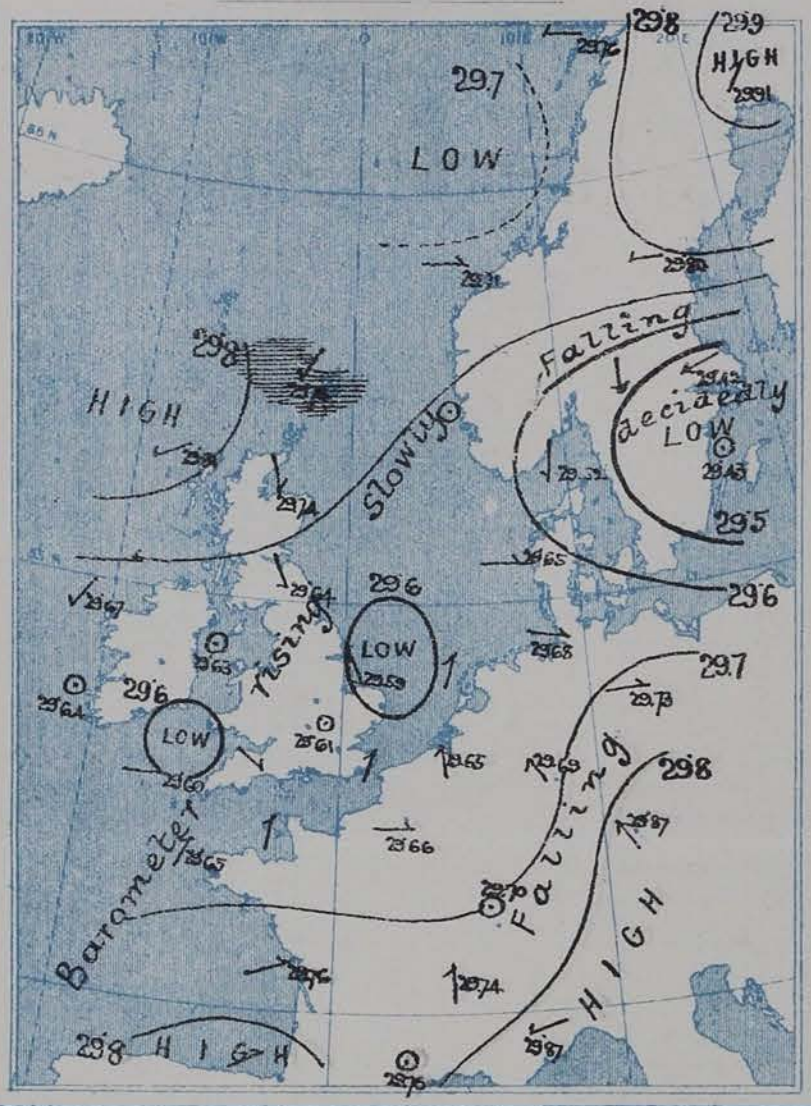
FOR SATURDAY, 18th JULY, 1903.

I. BAROMETER, WIND AND SEA. *This Morning.*

BAROMETER.—Isobars are drawn for each tenth of an inch.
WIND.—Arrows show Directions and Force, flying with the wind.

Force above 10 ⟶ : *Force 5 to 7* ⟶ : } Calm ⊙
Force 8 to 10 ⟶ : *Force 1 to 4* ⟶ : }

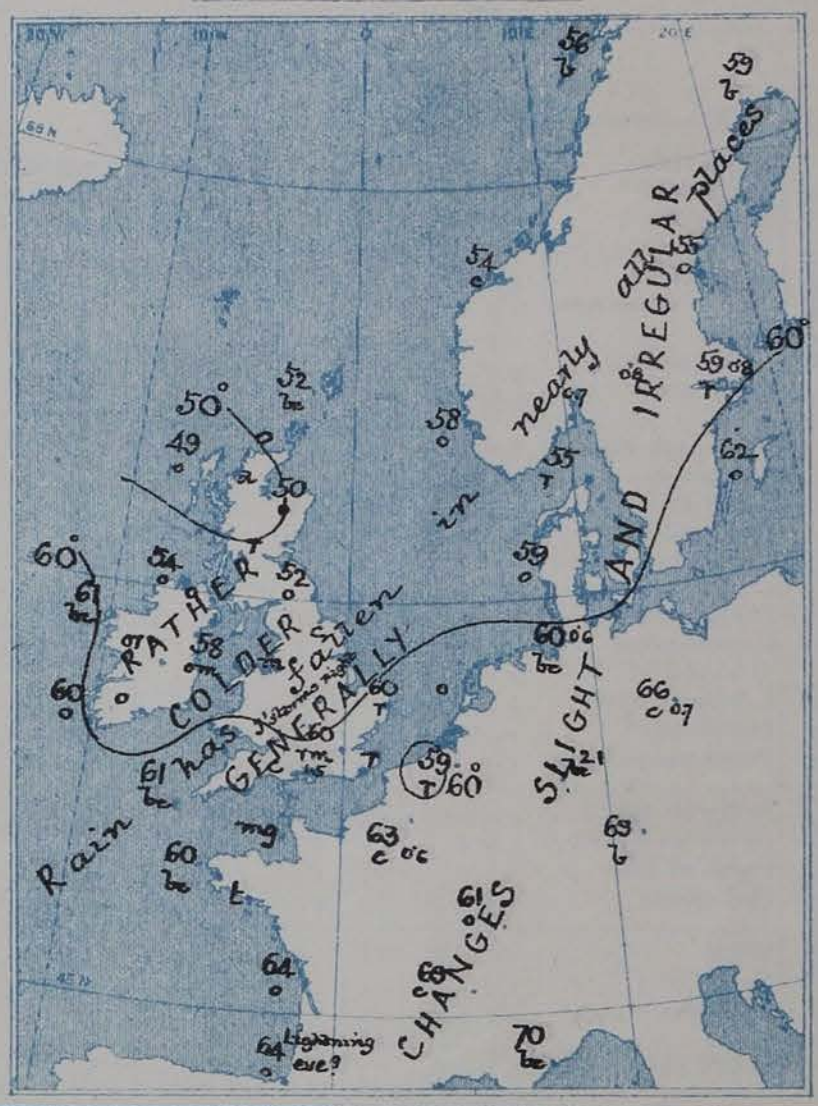
SEA.—Rough ▒ *High* ■



II. TEMPERATURE AND WEATHER. *This Morning.*

TEMPERATURE.—Isotherms are drawn for each 10°.
WEATHER.—Shown by Letters of the Beaufort Scale. *(See P. 4.)*

RAINFALL.—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—·06

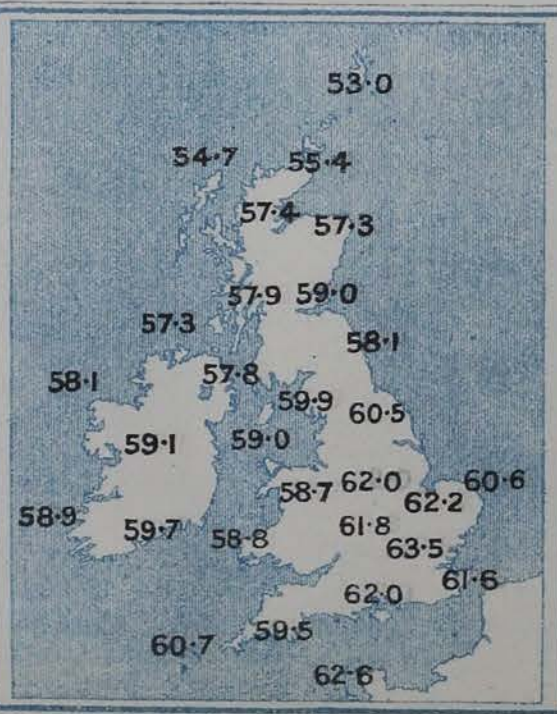


III BAROMETER AND WIND

Yesterday morning.

IV. *Averages of* DAILY MAXIMUM *and* MINIMUM TEMERATURES

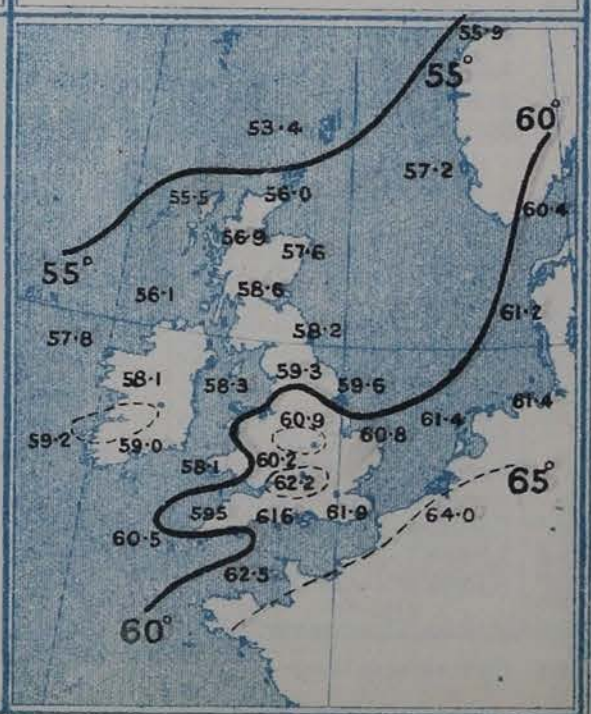
Combined for the month of JULY. *(1871-1900)*



V. *Means of* DAILY TEMPERATURE

at 8 A.M. for the Monthly period

JULY. *(1871-1900)*



GENERAL SITUATION AT 8 A.M.

PRESSURE

The depression of the past two or three days continues to spread eastwards, and now embraces nearly the whole of northwestern Europe. The lowest pressures, 29.5 ins. and less, are found over Ireland and also in a small secondary area over Berwick and Northumberland, and the barometer is falling in most places—slightly in these Islands, but more decidedly in Denmark, Germany and the south of Norway. The highest readings, 29.9 ins. and upwards, are reported over Sweden, but the barometer is also somewhat high, 29.8 ins. and upwards, over south Germany and the extreme southwest of France.

WIND

The wind is generally of little strength, but shows a distinct circulation round the lowest pressures, being W^ly in France and Belgium, SW^ly over England, and S^ly in Holland and Germany, but SE^ly in Sweden, E^ly in Norway, and NE^ly or N^ly in the north and east of Scotland. In Ireland it is rather variable. The S^ly to W^ly current is accompanied by temperatures differing but little from the normal, the thermometer being slightly above 60° in many parts of Ireland and England, and in neighbouring parts of the continent and above 65° in the south of France; at Berlin the reading is as high as 70°, and at Munich 71°. With the E^ly to N^ly wind in the north, the thermometer is naturally much lower, the readings being below 55° at most of the Scotch and Norwegian stations, and as low as 47° at Bodö and 49° at Wick and Nairn.

TEMPERATURE

WEATHER AND SEA

The weather is fair over the greater part of Ireland, England and France, but fog is reported over the Irish Sea and also at Portland Bill. In the north of Sweden also the weather is fine, but rain is falling in Scotland, Norway and the north of Denmark, as well as at Brussels, Frankfurt and Munich. The sea is slight or smooth generally, but moderate on our southwest coasts, and rough at Sumburgh Head.

During yesterday the thermometer rose to 65° and upwards at several of our southern stations and to 69° at Scilly; on the northeast coasts of Scotland it did not exceed 55°. The amount of bright sunshine was as a rule very small (at many northern stations there was none) but at Plymouth there was as much as 13.3 hours, and at Scilly 11.6 hours. Rain has fallen over western Europe generally, the amount being as large as 2.6 ins. at Frankfurt, 1.2 in at Aberdeen and 1.0 in. at Leith.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

There are at present no indications of any important change in the general situation. The extensive low pressure system over western Europe appears to be almost stationary, and is likely to spread still further to the eastward. Changeable showery weather is probable over the United Kingdom generally.

FORECASTS*

For the 24 hours ending at NOON on 18th JULY 1903

DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH 1 SCOTLAND EAST	NE^ly winds, moderate or fresh; dull and rainy at first, some improvement later.
2 ENGLAND N.E. 3 ENGLAND EAST 4 MIDLAND COUNTIES 5 ENGLAND SOUTH	S^ly and SW^ly winds, light; weather rather changeable, mostly fair, but thunder showers probable.
6 SCOTLAND WEST	E^ly winds, moderate; cloudy, showery.
7 ENGLAND N.W. 8 ENGLAND S.W.	S^ly winds, light or moderate; changeable, some showers.
9 IRELAND NORTH	Same as No. 6.
10 IRELAND SOUTH	Same as Nos 7 and 8.
WARNINGS	None issued.

Note.—The **South Cone**, *point downwards* (▽), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the *North* Cone is hoisted in preference to the *South* Cone.

The **North Cone**, *point upwards* (△), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the *South* Cone is hoisted in preference to the *North* Cone.

* *For terms for transmission of Forecasts by Telegraph, see next page.*

ADDITIONAL OBSERVATIONS made at Stations in the UNITED KINGDOM.

TELEGRAPHIC REPORTS TO-DAY.	Yesterday 6 p.m.					This Morning 8 a.m.									Past 24 Hours.				
	Bar. Ins.	Temp. °	Wind Direc^n	Wind Force	Weather.	Barometer. Ins.	Barometer. Change	Temperature Dry.	Temperature Wet.	Temperature Change	Wind Direc^n	Wind Force	Weather.	Sea.	Temperature Max.	Temperature Min.	Weather	Sunshine. Hrs.	Rainfall Ins.
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	*	*	c	*	67	59	r, c	3.3	0.07
Bath	29.60	56	w	2	b	29.59	-.10	59	56	+ 1	w	1	b	*	64	54	-	0.0	0.03

REPORTS FOR YESTERDAY.

STATIONS.	Temperture F. Max.	Temperture F. Min.	Weather.	Sunshine. Hrs.	Rainfall. Ins.	STATIONS.	Temperature F. Max.	Temperature F. Min.	Weather.	Sunshine. Hrs.	Rainfall. Ins.
Southport, to 9 p.m.... ...	63°	57°	o p, c	0.0	0.07	Broadstairs...	*	*	*	1.2	*
Rhyl, to 6 p.m....	*	*	*	0.5	*	Margate	*	*	*	1.0	*
Llandudno to 6 p.m.	*	*	*	0.0	*	Lowestoft, to 6 p.m. ...	69	58	bc, o r, c	0.6	0.03
Aberystwyth, to 6 p.m. ...	65	58	o c	5.0	0.35	Scarborough to 6 p.m.	*	*	*	0.0	*
Plymouth, to 9 p.m.... ...	71	57	b	13.3	-	Harrogate, to 6 p.m. ...	65	56	o m, o d	0.0	0.11
Worthing	*	*	*	0.4	*	Manchester, to 9 p.m. ...	64	57	o r, bc	0.0	0.04
Brighton	*	*	*	0.6	*	Darwen, to 9 p.m.	62	54	o m r, o m	0.0	0.09
Eastbourne, to 6 p.m. ...	*	*	*	1.2	*	Birmingham, to 9 p.m. ...	63	54	o, r, c	0.4	0.06
Hastings	*	*	*	1.4	*						

TEMPERATURE, WEATHER, and RAINFALL at additional FOREIGN STATIONS, mainly for the 24 hours ended at 8 a.m. yesterday.

STATIONS. 16th July, 1903.	Temperature, F. Max.	Temperature, F. Min.	Weather.	Rain. Ins.	STATIONS. 15th July, 1903	Temperature, F. Dry. 1 p.m.	Temperature, F. Wet.	Weather. 1 p.m.	Rain. Ins. Measured 7 a.m.
Marseilles	82	64	b, m	-	Geneva	77	*	b	-
Utrecht...	73	55	bc, bc	-	Berne	73	*	b	-
Copenhagen	61	54	o, o	-	Lucerne	75	*	bc	-
Prague	77	55	c, f	-	Coire	75	*	b	-
Vienna	75	59	b, b	-	Castasegna	70	*	c	0.04
Buda-Pesth	84	61	b, b	-	Lugano	77	*	o	-
St. Petersburg	66	52	bc, b	0.08					
Rome	84	64	b, b	-					
Malta	86	70	bc	-					
Madeira (Funchal)	Not rec^d								

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

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COUNTRIES, &c.	Hours of Morning Observations by Local Standard Times.	Corresponding Greenwich Times.	Hours of Evening Observations by Local Standard.	Corresponding Greenwich Times.
British Isles, Belgium† ...	8 a.m. (West European)	8 a.m.	6 p.m.‡ (W.E.T.)	6 p.m.‡
Holland	8 a.m. (" ")	8 a.m.	7 p.m. (W.E.T.)	7 p.m.
Germany, Denmark, Norway, Sweden	8 a.m. (Mid-European)	7 a.m.	8 p.m. (M.E.T.)	7 p.m.
France	7 a.m. (Paris)	6.51 a.m.	6 p.m. (Paris)	5.51 p.m.
Spain	8 a.m. (West European)	8 a.m.	6 p.m. (W.E.T.)	6 p.m.
Portugal	8 a.m. (Lisbon)	8.36 a.m.	3.23 p.m. (Lisbon)	4 p.m.
Azores { Ponta Delgada	6 a.m. (Local)	7.43 a.m.	9 p.m. (Local)	10.43 p.m.
Azores { Horta	6 a.m. (Local)	7.55 a.m.	9 p.m. (Local)	10.55 p.m.

TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON, AND SUNSET, FOR STATIONS IN THE UNITED KINGDOM, TO-DAY.

17th July, 1903.	Sunrise G.M.T.	Noon G.M.T.	Sunset G.M.T.
Yarmouth	3.50	11.59	8.7
Greenwich	4.4	12.6	8.8
Wick	3.34	12.18	9.1
Valencia	4.41	12.47	8.52

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† The evening observations in Belgium are not given on page 1.

‡ At Oxford the observations are taken at 8 p.m.

DAILY WEATHER REPORT

for 8 a.m. on Sunday, 19TH JULY, 1903.

Issued by the METEOROLOGICAL OFFICE, 63, Victoria Street, London. **W. N. SHAW**, *Secretary.*

	STATIONS.	YESTERDAY EVENING. (See note on last page.) Barom. At 32° and M.S.L. Ins.	Temp. Dry Bulb. °	Wind. Direc.	Wind. Force (0 to 12.)	Weather	THIS MORNING. (See note on last page.) Barometer. At 32° At 32° Fahr. and M. S. L. Ins.	Barometer. Change since Yesterday. Ins.	Temperature. Dry Bulb. °	Temperature. Wet Bulb. °	Temperature. Change since Yesterday. °	Wind. Direc.	Wind. Force (0 to 12.)	Weather.	Sea (0 to 9.)	PAST 24 HOURS. Temp. Max. °	Temp. Min. °	Weather	Sunshine. Hours.	Rainfall. Ins.
SCANDINAVIA.	Haparanda ...	29.78	60	Z	0	bc	29.63	-.28	53	52	-6	NE	2	r	*	72	52	—	*	0.20
	Hernösand ...	29.62	55	N	2	0	29.58	-.22	59	50	+4	N	4	0	*	59	50	—	*	—
	Stockholm ...	29.43	54	NW	6	r	29.62	+.20	55	53	-4	NW	4	0	*	61	52	—	*	0.98
	Wisby	29.51	58	NW	6	0	29.68	+.25	57	54	-5	NW	6	0	*	64	57	—	*	—
	Karlstad	29.63	56	N	2	0	29.73	+.21	60	53	+6	NW	2	bc	*	*	*	—	*	0.24
	Færder (X'iania Fjord)	29.68	58	WNW	3	0	29.79	+.20	58	55	+4	N	2	c	1	58	54	—	*	—
	Bodö	29.84	50	W	2	bc	29.89	+.13	49	45	-7	NNW	2	0	1	57	48	—	*	—
	Christiansund ...	29.78	52	N	5	0	29.91	+.20	51	47	-3	NE	5	0	4	57	50	—	*	—
	Skudesnaes ...	29.71	58	NNW	4	c	29.84	+.19	59	53	+1	NNW	2	0	1	59	52	b,c	*	*
BRITISH ISLANDS.	Sumburgh Head	29.83	52	NE	3	b	29.91	+.15	50	47	-2	NE	3	0	4	55	45	c,b	*	—
	Stornoway ...	29.85	57	ESE	3	c	29.94	+.13	52	48	+3	SE	3	0	3	60	45	c	8.4	—
	Malin Head ...	29.78	58	E	1	b	29.88	+.18	59	56	+5	W	1	b	1	59	50	b	*	—
	Blacksod Pt. ...	29.76	61	NE	4	b	29.91	+.24	58	54	-3	N	2	b	2	63	52	cm,b	*	—
	Valencia	29.73	65	NW	4	b	29.89	+.25	58	56	-2	NW	5	0	4	67	57	bc,b	9.2	0.01
	Roche's Point ...	29.73	65	SSW	2	cbl	29.87	+.23	61	60	+3	N	2	om	1	67	55	o,cbl	*	0.01
	Parsonstown ...	29.78	65	SE	1	bc	29.89	+.24	56	54	0	E	1	0	*	67	53	bcp	0.7	0.01
	Donaghadee ...	29.76	54	SE	1	0	29.92	+.24	55	52	+1	E	1	bc	1	58	49	—	*	0.02
	Liverpool Obsy.	29.70	61	N	1	0	29.87	+.24	55	53	-2	ENE	1	0	?	65	54	o	*	—
	Holyhead ...	29.72	57	NE	3	bcm	29.86	+.23	55	54	-3	N	2	om	2	61	53	cf,bcm	*	—
	Pembroke (St. Ann's)	29.74	55	W	3	f	29.86	+.24	57	54	-2	NNE	3	c	2	62	52	f,m	6.7	—
	Scilly (St. Mary's)...	29.73	65	WNW	1	bc	29.86	+.26	63	60	+2	WSW	1	bc	1	68	58	bc	11.0	—
	Jersey (St. Aubins)...	29.77	64	W	4	bc	29.89	+.24	60	?	-1	W	4	om	3	66	57	bcg,bcro	9.3	—
	Portland Bill ...	29.71	63	WNW	2	bc	29.85	+.23	58	55	-2	NNW	2	b	1	67	56	—	*	—
	Dungeness ...	29.68	63	W	6	b	29.80	+.17	61	59	-2	W	4	c	2	67	58	bq,b	6.5	0.01
	Wick	29.84	51	NE	3	0	29.91	+.14	51	49	+1	NE	4	0	2	58	48	—	*	—
	Nairn	29.84	53	E	2	0	29.92	+.14	52	48	+3	Z	0	0	0	57	48	—	*	—
	Aberdeen ...	29.81	52	N	4	0	29.92	+.18	52	49	+2	NNE	3	0	3	54	49	dq,o	0.3	—
	Leith	29.76	54	ENE	2	b	29.91	+.20	56	50	+6	NE	2	b	*	57	48	—	*	0.13
	North Shields ...	29.71	51	NNW	4	d	29.87	+.23	50	49	-2	N	3	0	4	54	49	o,d	*	0.19
	Spurn Head ...	29.68	57	N	3	c	29.82	+.20	57	55	+3	NW	3	bc	3	58	53	—	*	—
	Yarmouth ...	29.65	58	NW	3	rg	29.76	+.17	57	55	-3	WNW	4	cm	2	60	52	od,rg	*	0.24
	Nottingham ...														*					
	Oxford	29.72	60	NE	1	0	29.85	+.23	57	56	-2	NE	1	r	*	71	55	obr	*	0.71
	London (Brixton)...	29.68	63	Z	0	0	29.83	+.22	62	59	+2	Z	0	0	*	73	56	or,c,bl	2.3	0.14
GERMANY, &c.	The Scaw (Skagen)	29.70	58	NW	1	0	29.77	+.25	59	57	+4	NW	1	0	0	61	55	—	*	—
	Fanö	29.73	58	NNW	1	0	29.79	+.14	61	59	+2	E	2	0	*	64	57	—	*	—
	Cuxhaven ...	29.69	63	N	1	0	29.81	+.13	60	58	0	SW	3	0	*	64	59	o,r	*	0.24
	The Helder ...	29.63	63	S	1	c	29.76	+.15	59	57	-5	W	3	0	3	66	57	—	*	0.35
	Brussels	*	*	*	*	*	29.88	+.23	59	57	0	WSW	1	0	*	70	55	—	*	0.16
	Berlin	29.69	70	Z	0	r	29.86	+.13	66	63	0	W	2	0	*	82	61	—	*	0.08
	Frankfürt ...	29.76	66	S	2	b	29.88	+.19	65	59	-2	SW	1	c	*	75	59	—	*	—
	Munich	29.91	62	W	5	r	30.02	+.15	64	62	-5	SE	3	0	*	82	59	—	*	0.20
FRANCE.	C. Gris Nez ...	29.71	61	WSW	5	bc	29.82	+.20	60	59	+1	WSW	3	0	2	64	57	—	*	—
	Brest	29.78	68	W	1	b	29.91	+.26	60	59	0	Z	0	b	2	72	54	—	*	—
	Lorient	29.81	72	W	3	b	29.89	+.24	60	58	-3	E	1	bc	2	72	59	—	*	—
	Rochefort ...	29.84	68	WNW	3	bc	29.88	+.13	65	64	+1	NE	1	0	*	72	61	c,bc	*	—
	Biarritz	29.88	70	N	3	b	29.95	+.11	61	61	-3	NW	3	br	2	72	59	—	*	0.75
	Paris	29.77	69	W	2	bc	29.91	+.25	61	59	-2	SSW	1	b	*	75	53	—	*	0.12
	Belfort	29.82	62	W	2	0	?29.88	+.18	60	59	-1	Z	0	0	*	73	57	—	*	0.35
	Lyons	29.88	64	E	1	0	?29.95	+.21	58	57	-11	E	6	r	*	76	58	—	*	0.71
	Nice	29.89	70	SW	1	bc	29.85	-.02	70	66	0	ENE	2	c	2	81	64	—	*	—
	Perpignan ...	29.81	76	W	1	bc	29.82	+.06	71	68	-3	SW	1	*	*	82	66	—	*	—
SPAN. PEN.	Corunna	29.93	65	WNW	1	c	30.13	+.25	65	63	-2	W	1	c	4	68	57	—	*	0.39
	Lisbon	30.08	65	WNW	3	b	30.16	+.18	67	61	0	N	4	c	*	72	63	—	*	—
	Azores (P. Delgada)	30.36	65	NNE	3	c	30.38	+.12	68	61	+1	NNE	4	c	2	72	64	—	*	—
	" (Horta) ...	30.41	67	NE	2	bc	30.41	+.05	66	61	0	Z	0	b	2	72	63	—	*	—

NOTE: *The Sunshine for London given in this Table is recorded on the Tower of the Wesleyan Training College, Westminster: the Sunshine entered to Dungeness is recorded at Littlestone-on-Sea.*

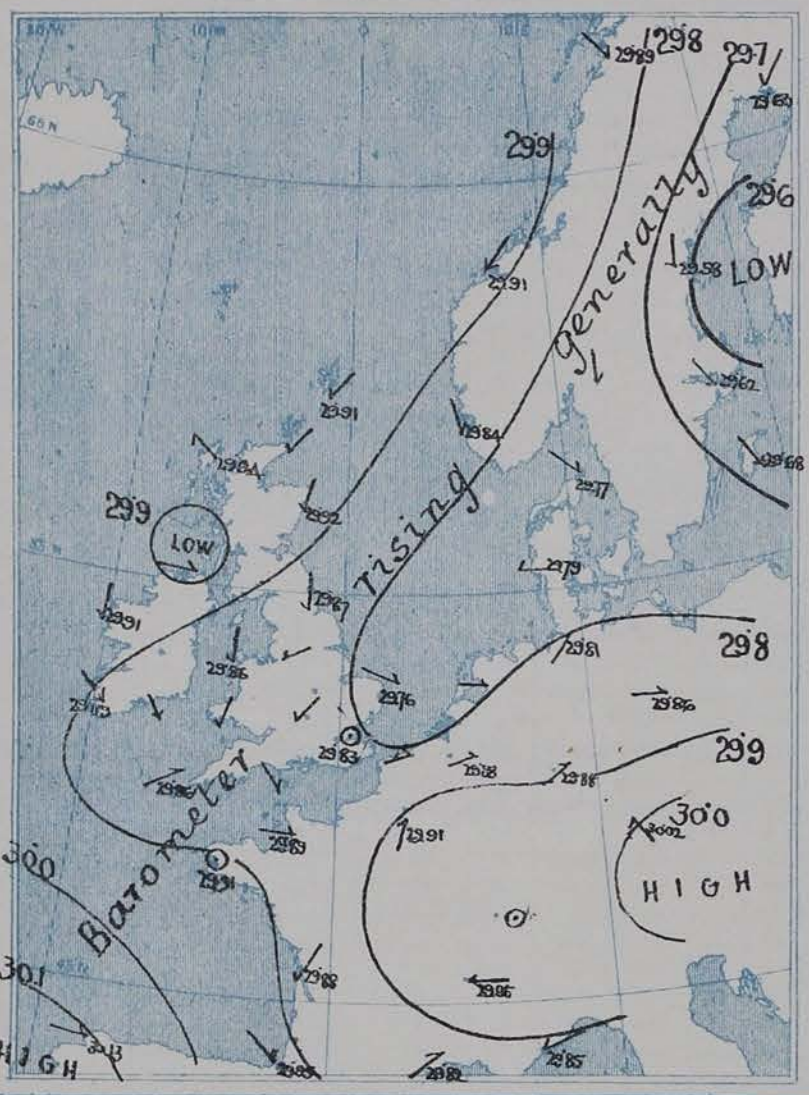
* *Observations for this column not generally received.* † *Observations received too late for insertion in Charts on next page.*

WEATHER CHARTS

FOR SUNDAY, 19TH JULY, 1903.

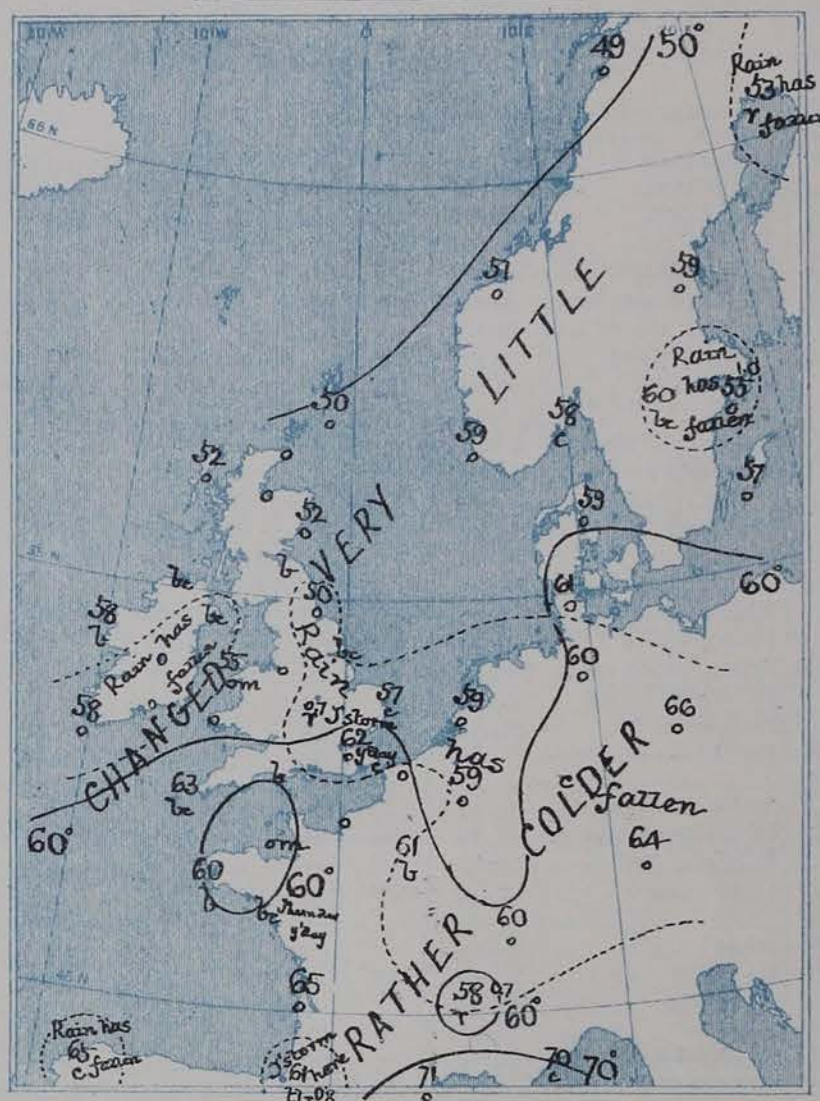
I. BAROMETER, WIND AND SEA. *This Morning.*

BAROMETER.—Isobars are drawn for each tenth of an inch.
WIND.—Arrows show Directions and Force, flying with the wind.
Force above 10 — *Force 8 to 10* — *Force 5 to 7* — *Force 1 to 4* — Calm ⊙
SEA.—Rough — *High*



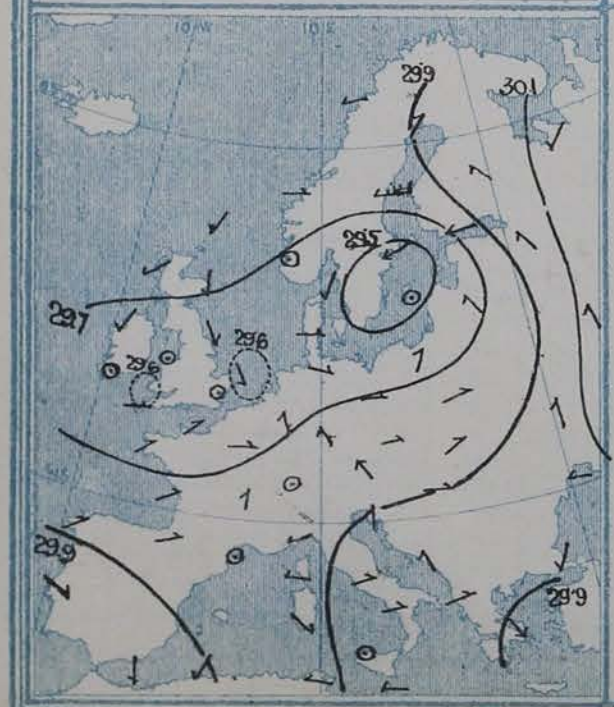
II. TEMPERATURE AND WEATHER. *This Morning.*

TEMPERATURE.—Isotherms are drawn for each 10°.
WEATHER.—Shown by Letters of the Beaufort Scale. *(See P. 4.)*
RAINFALL.—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus –0·6



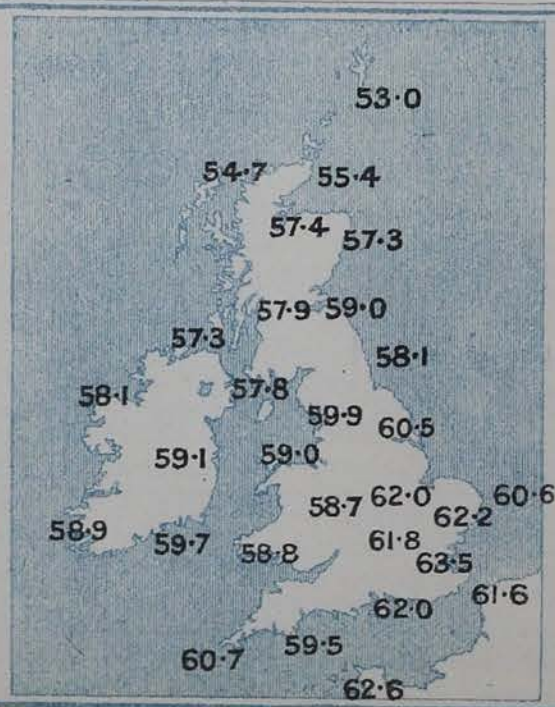
III. BAROMETER AND WIND

Yesterday morning.



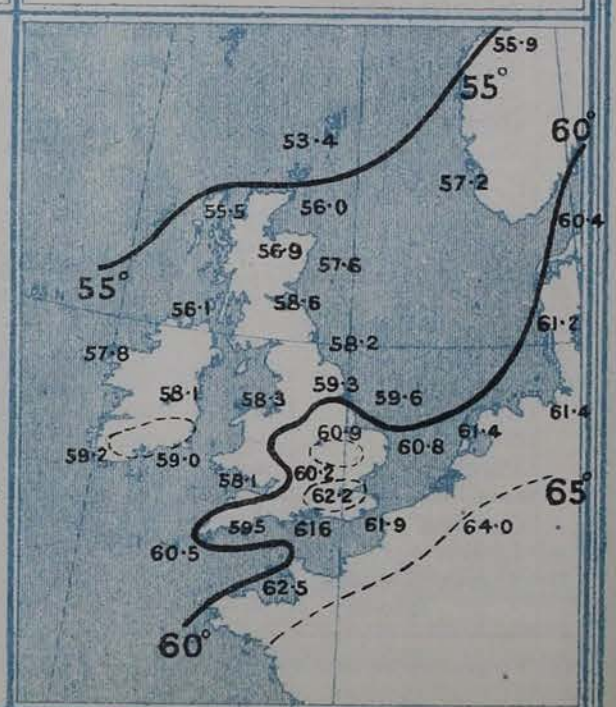
IV. *Averages of* DAILY MAXIMUM *and* MINIMUM TEMERATURES

Combined for the month of JULY. *(1871–1900)*



V. *Means of* DAILY TEMPERATURE

at 8 A.M. for the Monthly period JULY. *(1871–1900.)*



GENERAL SITUATION AT 8 A.M.

PRESSURE

The shallow low pressure system recently noticed over our Islands is gradually disappearing, and the barometer is rising over the entire Kingdom as well as on the eastern shores of the North Sea. A new disturbance has however, been developed over the Baltic and the south of Sweden, in which region the barometer is falling decidedly the readings being already below 29.5 inches. Small shallow depressions with readings below 29.6 inches are lying respectively off the east of England and at the Mouth of the Bristol Channel. The highest pressures 29.9 ins: and upwards, are found in two areas,— one over Lapland and the other over the southern parts of the Iberian Peninsula.

WIND TEMPERATURE WEATHER AND SEA

The wind is moderate from the Northward on the east coasts of Great Britain and light from the Northeastward in our northwestern district, but is Westerly or Southwesterly over the Channel and France, Southerly in the Netherlands and Southeasterly in Western Germany. In the south of Sweden it is strong from the Northeastward but in Denmark and North Germany it is Westerly. Temperature has fallen in most parts of England and Ireland. At our southern stations the readings differ but little from the average, but in the north they are decidedly low, the thermometer being below 55° in most places and as low as 49° at Stornoway and Nairn. Over Germany the readings are above 65° while in the south of France the thermometer stands at, or above 70°. The weather is cloudy or dull over Western Europe generally, with rain in several isolated places, and with thunder at Lorient. At some of the English Channel stations however, and in Germany, the south of France, and the north of Scandinavia the weather is fine. The sea is slight or smooth generally, but rough at Christiansund.

During yesterday the thermometer rose to 70° and upwards in the east and south of England and to 74° in London; in the north and east of Scotland it did not reach 55°. The amount of Bright Sunshine was large on our south and southeast coasts, but small elsewhere. Rain has again fallen over Western Europe generally, the amount being as large as 2.1 ins: at Hawkhurst, 1.5 ins: in London (at Bristol), and 0.8 in: at Clacton-on-Sea, and at Stockholm and Karlstad. Thunderstorms, or thunder only have occurred in many parts of England.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The low pressure system over these Islands will probably continue to disperse, but for the present the distribution is likely to remain somewhat irregular, with a tendency for the development of thundershowers in places. The new disturbance over the south of Sweden will probably move slowly westwards.

FORECASTS*

For the 24 hours ending at NOON on JULY 19TH 1903

DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	N^ly and NE^ly winds, moderate; cool, changeable, some showers.
1 SCOTLAND EAST	
2 ENGLAND N.E.	
3 ENGLAND EAST	N^ly winds, moderate; cool, changeable, some showers.
4 MIDLAND COUNTIES	Variable breezes, finally NW^ly; cool, changeable, some showers.
5 ENGLAND SOUTH	
6 SCOTLAND WEST	NE^ly winds, light; fair, cool.
7 ENGLAND N.W.	NE^ly winds, light; cool, cloudy, local showers.
8 ENGLAND S.W.	Variable or light N^ly breezes; cloudy, local showers.
9 IRELAND NORTH	Same as No: 6
10 IRELAND SOUTH	Same as No: 8
WARNINGS	NONE ISSUED. GENERAL.— Local thunderstorms are still probable over England.

Note.—The **South Cone**, *point downwards* (▼), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the *North* Cone is hoisted in preference to the *South* Cone.

The **North Cone**, *point upwards* (▲), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the *South* Cone is hoisted in preference to the *North* Cone.

* *For terms for transmission of Forecasts by Telegraph, see next page.*

ADDITIONAL OBSERVATIONS made at Stations in the UNITED KINGDOM.

TELEGRAPHIC REPORTS TO-DAY	Yesterday 6 p.m.					This Morning 8 a.m.									Past 24 Hours.				
	Bar. Ins.	Temp. °	Wind Direc^n	Wind Force	Weather.	Barometer. Ins.	Barometer. Change	Temperature Dry.	Temperature Wet.	Temperature Change	Wind Direc^n	Wind Force	Weather.	Sea	Temperature Max.	Temperature Min.	Weather	Sunshine. Hrs.	Rainfall Ins.
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	*	*	r	*	70	56	8, r	9.3	0.76
Bath	29.58	68	W	4	8	29.62	+.03	62	59	+3	SW	1	8	*	70	56	–	7.5	0.01

REPORTS FOR YESTERDAY.

STATIONS.	Temperture F. Max.	Temperture F. Min.	Weather.	Sunshine. Hrs.	Rainfall. Ins.	STATIONS.	Temperature F. Max.	Temperature F. Min.	Weather.	Sunshine. Hrs.	Rainfall. Ins.
Southport, to 9 p.m.... ...	66	56	o, c, or	6.9	0.02	Broadstairs...	*	*	*	7.5	*
Rhyl, to 6 p.m.	*	*	*	7.5	*	Margate	*	*	*	6.8	*
Llandudno to 6 p.m.... ...	*	*	*	6.3	*	Lowestoft, to 6 p.m. ...	70	58	c, oc, 8	3.7	–
Aberystwyth, to 6 p.m. ...	65	59	oc	5.0	0.00	Scarborough	*	*	*	9.5	*
Plymouth, to 9 p.m.... ...						Harrogate, to 6 p.m. ...	72	54	or, cv	7.7	0.06
Worthing	*	*	*	11.0	*	Manchester, to 9 p.m. ...	67	57	bog, 8lr, 8c, ru	2.3	0.83
Brighton	*	*	*	10.4	*	Darwen, to 9 p.m.	67	54	orm, 8, r	2.2	0.02
Eastbourne, to 6 p.m. ...	*	*	*	8.7	*	Birmingham, to 9 p.m. ...	71	53	c	6.4	0.01
Hastings	*	*	*	10.2	*						

TEMPERATURE, WEATHER, and RAINFALL at additional FOREIGN STATIONS, mainly for the 24 hours ended at 8 a.m. yesterday.

STATIONS. 17th JULY 1903.	Temperature, F. Max.	Temperature, F. Min.	Weather.	Rain. Ins.	STATIONS. 16th JULY 1903	Temperature, F. Dry. 1 p.m.	Temperature, F. Wet.	Weather. 1 p.m.	Rain. Ins. Measured 7 a.m.
Marseilles	86	64	o, c.	—	Geneva	82	*	o	—
Utrecht...	82	57	c, r.	0.12	Berne	77	*	c	—
Copenhagen	66	57	c, r.	?	Lucerne	84	*	bc	—
Prague	82	61	o, f.	—	Coire	79	*	c	—
Vienna	82	66	b, c.	—	Castasegna	68	*	o	—
Buda-Pesth	68	66	b, bc	—	Lugano	73	*	o	—
St. Petersburg	61	52	bc, b	0.08					
Rome	89	61	b, bc	—					
Malta	82	70	c	—					
Madeira (Funchal) not rec^d.									

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

TABLE SHOWING THE LOCAL STANDARD TIMES AND THE CORRESPONDING GREENWICH TIMES OF THE OBSERVATIONS RECORDED ON PAGE 1.

COUNTRIES, &c.	Hours of Morning Observations by Local Standard Time.	Corresponding Greenwich Times.	Hours of Evening Observations by Local Standard.	Corresponding Greenwich Times.
British Isles, Belgium† ...	8 a.m. (West European)	8 a.m.	6 p.m. (W.E.T.)	6 p.m.
Holland	8 a.m. (" ")	8 a.m.	7 p.m. (W.E.T.)	7 p.m.
Germany, Denmark, Norway, Sweden	8 a.m. (Mid-European)	7 a.m.	8 p.m. (M.E.T.)	7 p.m.
France	7 a.m. (Paris)	6.51 a.m.	6 p.m. (Paris)	5.51 p.m.
Spain	8 a.m. (West European)	8 a.m.	6 p.m. (W.E.T.)	6 p.m.
Portugal	8 a.m. (Lisbon)	8.36 a.m.	3.23 p.m. (Lisbon)	4 p.m.
Azores { Ponta Delgada	6 a.m. (Local)	7.43 a.m.	9 p.m. (Local)	10.43 p.m.
Azores { Horta	6 a.m. (Local)	7.55 a.m.	9 p.m. (Local)	10.55 p.m.

TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON, AND SUNSET, FOR STATIONS IN THE UNITED KINGDOM, TO-DAY.

18th JULY, 1903.	Sunrise G.M.T.	Noon G.M.T.	Sunset G.M.T.
Yarmouth	3.51	11.59	8.6
Greenwich	4.5	12.6	8.7
Wick	3.35	12.18	9.0
Valencia	4.42	12.47	8.51

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† The evening observations in Belgium are not given on page 1.

‡ At Oxford the observations are taken at 8 p.m.

DAILY WEATHER REPORT

for 8 a.m. on Monday, 20th July, 1903.

Issued by the METEOROLOGICAL OFFICE, 63, Victoria Street, London. **W. N. SHAW, Secretary.**

	STATIONS.	YESTERDAY EVENING. (See note on last page.) Barom. At 32° and M.S.L. Ins.	Temp. Dry Bulb. °	Wind. Direc.	Wind. Force (0 to 12.)	Weather	THIS MORNING. (See note on last page.) Barometer. At 32° At 32° Fahr. and M. S. L. Ins.	Change since Yesterday. Ins.	Temperature. Dry Bulb. °	Wet Bulb. °	Change since Yesterday. °	Wind. Direc.	Wind. Force (0 to 12.)	Weather.	Sea (0 to 9.)	PAST 24 HOURS. Temp. Max. °	Temp. Min. °	Weather	Sunshine. Hours.	Rainfall. Ins.
SCANDINAVIA.	Haparanda ...	29.54	52	N	4	0	29.66	+.03	50	48	−3	NE	2	8	*	61	50	–	*	0.51
	Hernösand ...	29.70	63	NW	4	8	29.89	+.31	56	49	−3	N	0	8	*	72	54	–	*	–
	Stockholm ...	29.78	57	WSW	2	0	29.89	+.27	62	55	+7	N	0	8	*	62	50	–	*	0.08
	Wisby	29.85	59	SW	2	8	29.93	+.25	61	58	+4	N	0	8	*	63	55	–	*	–
	Karlstad	29.84	61	W	2	8	29.92	+.19	58	54	−2	N	0	8	*	*	*	–	*	–
	Færder (X'iania Fjord)	29.84	62	SW	2	8	29.92	+.13	56	55	−2	E	1	m	0	64	55	–	*	–
	Bodö	29.96	49	NNW	4	c	30.04	+.15	50	44	+1	N	4	8c	2	50	48	–	*	–
	Christiansund ...	29.96	51	NE	6	0	30.02	+.11	51	45	0	NNE	6	8	4	54	48	–	*	–
	Skudesnaes ...	29.87	56	WSW	4	8c	29.92	+.08	55	53	−4	S	2	0	1	59	52	8,8c	*	*
BRITISH ISLANDS.	Sumburgh Head	29.93	51	NE	3	0	29.91	.00	49	46	−1	N	2	0	4	54	46	0	*	–
	Stornoway ...	29.94	59	ESE	4	8	29.98	+.04	53	51	+1	N	1	8	1	61	41	8	10.8	–
	Malin Head ...	29.93	58	W	3	c	30.02	+.14	52	50	−7	WNW	3	om	2	65	52	8,c	*	–
	Blacksod Pt. ...	30.06	56	NNW	2	8	30.06	+.15	59	55	+1	SW	2	8c	2	61	52	8	*	–
	Valencia	30.00	59	WNW	3	0	30.10	+.21	59	55	+1	NW	1	c	3	62	56	8c,o	4.4	–
	Roche's Point ...	29.94	62	NNE	1	0	30.06	+.19	59	56	−2	NNW	3	c	2	62	54	or,o	*	0.14
	Parsonstown ...	29.91	66	E	1	c	30.07	+.18	55	52	−1	NE	1	8	*	68	50	–	3.8	–
	Donaghadee ...	29.93	60	SSE	2	8	30.02	+.10	56	55	+1	SSE	1	8	1	60	50	–	*	–
	Liverpool Obsy.	29.91	59	N	0	m	30.03	+.16	55	52	0	ESE	1	c	?	61	51	om,p	*	0.12
	Holyhead ...	29.93	56	NNE	2	om	30.02	+.16	58	56	+3	E	2	cm	1	58	53	o,om	*	–
	Pembroke (St. Ann's)	29.92	56	NW	4	c	30.02	+.16	57	55	0	NNW	3	cg	2	61	55	c	5.6	–
	Scilly (St. Mary's)...	29.93	64	WNW	4	8c	30.04	+.18	60	57	−3	NNW	5	c	2	68	57	8c	10.6	–
	Jersey (St. Aubins)...	29.95	64	W	4	8c	30.04	+.15	63	61	+3	W	4	cm	3	67	60	8c,w	11.3	–
	Portland Bill ...	29.91	60	W	2	c	30.00	+.15	57	55	−1	NW	3	8	3	65	57	8c,c	*	–
	Dungeness ...	29.91	63	WSW	5	8	30.00	+.20	61	59	0	WSW	2	cg	1	66	56	c,8	4.5	–
	Wick	29.97	52	NE	2	0	30.02	+.11	51	48	0	NE	1	0	1	54	44	–	*	–
	Nairn	29.95	54	E	3	8c	30.02	+.10	53	48	+1	E	1	c	1	57	41	–	*	–
	Aberdeen ...	29.96	52	NE	3	c	30.03	+.11	55	49	+3	NE	1	cy	1	55	47	o,c	0.2	–
	Leith	29.93	56	NE	2	8	30.01	+.10	58	53	+2	N	1	8c	*	61	50	–	*	–
	North Shields ...	29.94	53	NNE	1	0	30.02	+.15	53	49	+3	WNW	2	8c	2	55	43	–	*	–
	Spurn Head ...	29.91	57	N	4	c	30.00	+.18	55	52	−2	NNE	3	0	3	61	52	–	*	0.03
	Yarmouth ...	29.86	61	ENE	4	8c	29.96	+.20	59	56	+2	NNW	4	cg	3	62	53	c,8c	*	–
	Nottingham ...														*					
	Oxford	29.91	59	NNE	1	8c	30.02	+.17	54	53	−3	NE	2	od	*	66	54	o,p,8,8c	*	0.01
	London (Brixton)...	29.88	61	NW	1	0	29.99	+.16	59	56	−3	NNE	1	0	*	67	56	o,8,r	0.0	0.01
GERMANY, &c.	The Scaw (Skagen)	29.87	60	N	0	c	29.90	+.13	62	60	+3	S	1	c	0	68	57	–	*	–
	Fanö	29.86	60	N	0	0	29.88	+.09	62	60	+1	NNW	1	c	*	68	59	o8	*	–
	Cuxhaven ...	29.86	64	WSW	2	0	29.92	+.11	61	59	+1	W	2	c	*	66	59	–	*	–
	The Helder ...	29.87	58	WNW	2	8c	29.94	+.18	62	59	+3	W	1	0	0	63	55	–	*	–
	Brussels	*	*	*	*	*	29.99	+.11	62	60	+3	WNW	1	0	*	74	54	–	*	–
	Berlin	29.87	72	N	0	8	29.89	+.03	66	62	0	N	0	0	*	77	61	–	*	–
	Frankfürt ...	29.89	67	N	2	0	29.89	+.01	65	59	0	N	3	0	*	75	57	–	*	–
	Munich	30.00	55	W	4	0	30.03	+.01	61	59	−3	SE	3	0	*	75	55	–	*	0.91
FRANCE.	C. Gris Nez ...	29.89	61	SW	3	8	29.97	+.15	58	58	−2	SW	3	f	?	70	?	–	*	–
	Brest	29.99	67	NW	2	8	30.08	+.17	60	57	0	WNW	2	c	2	73	59	–	*	–
	Lorient	29.97	67	WNW	5	8	30.09	+.20	61	59	+1	NW	4	o	3	73	61	–	*	–
	Rochefort ...	29.97	68	NW	4	c	30.09	+.21	64	62	−1	WNW	4	o	*	73	61	8,c	*	–
	Biarritz	30.09	66	W	4	c	30.23	+.28	64	64	+3	WSW	5	o	4	66	61	–	*	1.54
	Paris	29.91	71	NNW	2	c	30.04	+.13	62	59	+1	NNE	1	c	*	76	55	–	*	–
	Belfort	29.88	64	W	2	0	29.99	+.11	57	56	−3	W	3	r	*	71	55	–	*	0.31
	Lyons	29.96	63	W	1	r	30.08	+.13	66	61	+8	SW	1	c	*	76	57	–	*	0.47
	Nice	29.87	67	ESE	2	c	29.89	+.04	71	66	+1	N	0	8	1	81	63	–	*	–
	Perpignan ...	29.94	69	NW	5	c	30.14	+.32	68	59	−3	NW	4	8	*	83	63	–	*	–
SPAN. PEN.	Corunna																		*	
	Lisbon	30.25	64	N	4	8	30.28	+.12	67	60	0	N	4	8	*	91	61	–	*	–
	Azores (P. Delgada)	30.43	64	NNE	4	8	30.43	+.05	67	63	−1	N	0	0	1	73	63	–	*	–
	" (Horta) ...	30.44	68	N	0	0	30.44	+.03	66	59	0	NW	1	c	1	75	64	–	*	–

NOTE: *The Sunshine for London given in this Table is recorded on the Tower of the Wesleyan Training College, Westminster; the Sunshine entered to Dungeness is recorded at Littlestone-on-Sea*

* *Observations for this column not generally received.*

† *Observations received too late for insertion in Charts on next page.*

WEATHER CHARTS

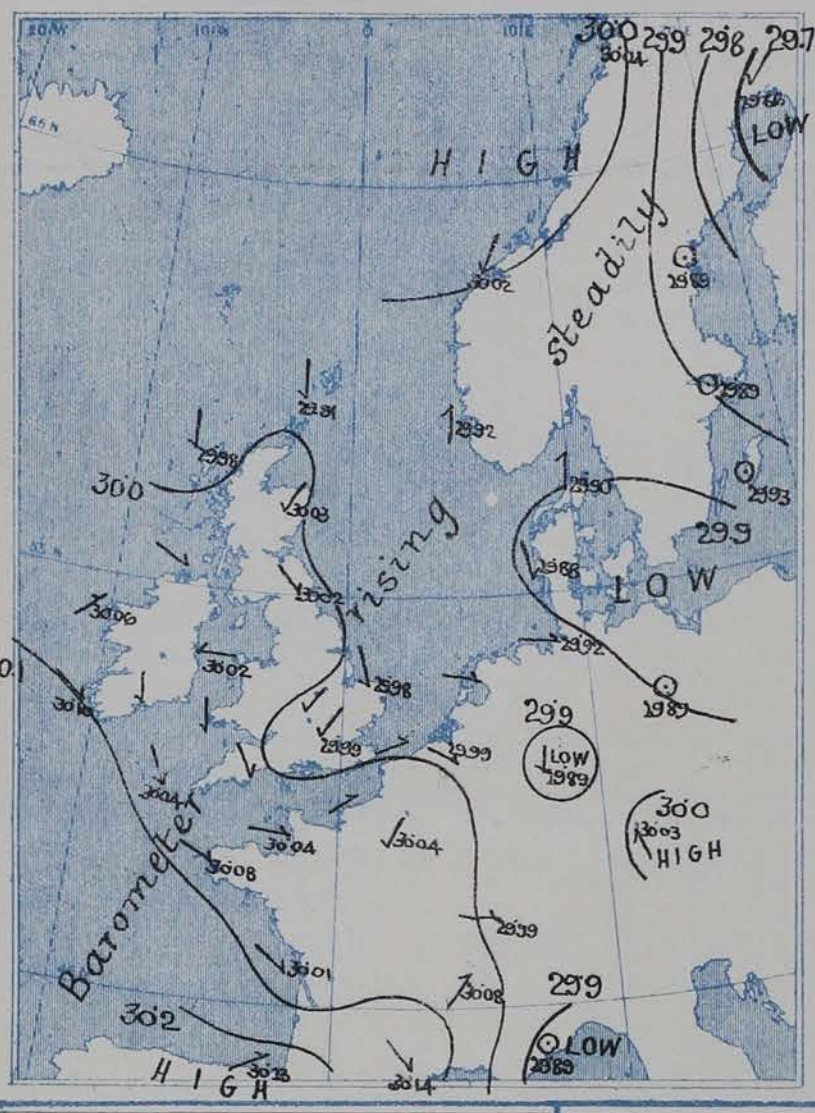
FOR MONDAY, 20TH JULY, 1903.

I. BAROMETER, WIND AND SEA. *This Morning.*

BAROMETER.—Isobars are drawn for each tenth of an inch.
WIND.—Arrows show Directions and Force, flying with the wind.

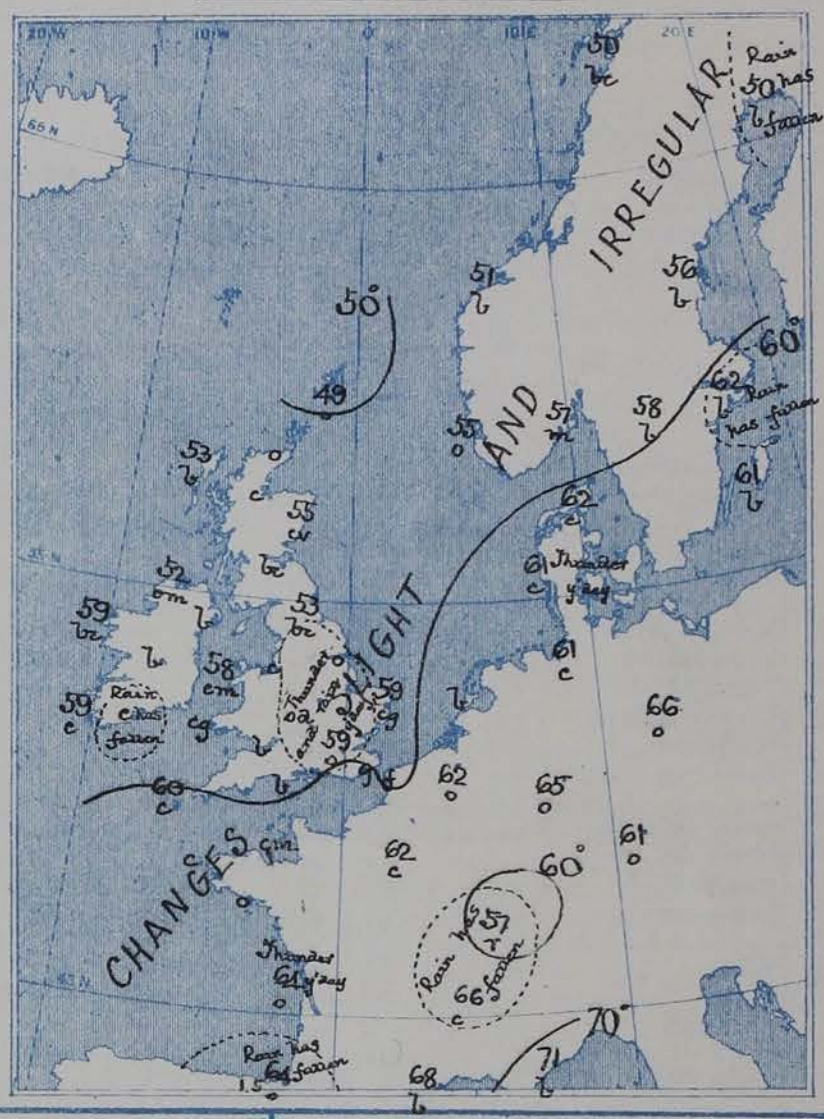
Force above 10 — *Force 5 to 7* — } Calm ⊙
Force 8 to 10 — *Force 1 to 4* —

SEA.—Rough *High*



II. TEMPERATURE AND WEATHER. *This Morning.*

TEMPERATURE.—Isotherms are drawn for each 10°.
WEATHER.—Shown by Letters of the Beaufort Scale. *(See P. 4.)*
RAINFALL.—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0·6

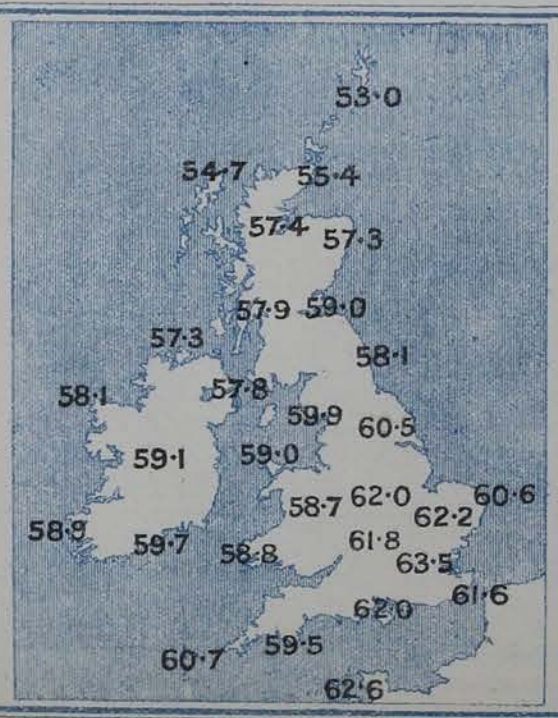


III BAROMETER AND WIND

Yesterday morning.

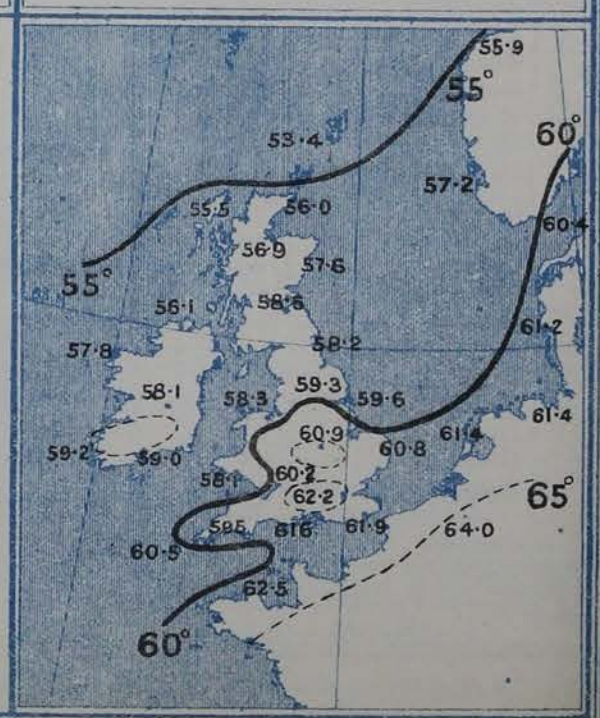
IV. *Averages of* DAILY MAXIMUM *and* MINIMUM TEMERATURES

Combined for the month of JULY. *(1871-1900)*



V. *Means of* DAILY TEMPERATURE

at 8 A.M. for the Monthly period JULY. *(1871-1900.)*



GENERAL SITUATION AT 8 A.M.

PRESSURE

Since yesterday the barometer has risen in nearly all parts of our area, and the relative distribution of pressure over our Islands is becoming gradually modified. The depression which lay yesterday over the south of Sweden and the Baltic has moved away northwards or northeastwards. Readings range from 30·13 in: at Corunna and 30·2 in: at Valentia to less than 29 in: over the Gulf of Bothnia and Finland. More than one small local minima are still shown over our Islands.

WIND

TEMPERATURE

WEATHER

AND

SEA

The wind, which is very light in force generally, varies a good deal locally in direction owing to the presence of the small minima referred to above, but is mainly from some N^ly point in the north and west, and from the W^ds in the south and east. Over France the winds are light and variable, and over Scandinavia moderate to strong from between NW. and NE. Temperature has fallen over France and Germany, changed little elsewhere. It is below the mean in most places – especially over Scotland and the north of England, where it is no higher generally than 50° or 52°. At our southern stations the readings are about 60°, and there in the south of France (except at Biarritz) 70° or 71°. Over Norway and Sweden the values range from between 49° at Bodö and 60° at Karlstad. The sky is very cloudy in nearly all parts of our area, with rain at Haparanda, Oxford, and Lyons, and a thunderstorm in the southwest of France. The sea is slight or smooth on almost all coasts.

The highest temperatures recorded over the United Kingdom yesterday were 73° in London and 71° at Oxford; at Aberdeen and Shields the thermometer did not exceed 54°. Thunderstorms were experienced over Central and Southern England and also at Rochester^Pt and thunder only at Orient. During the afternoon one of these in the Metropolis gave 0·75 in: within an hour at Westminster (Meteorological Office), but at Brixton the fall was only 0·14 inch.

Heavy rain has also fallen at Stockholm, Biarritz, Lyons and Oxford, but in many parts both of our Islands and the Continent the weather was dry, and at several of our south and west coast stations, as well as at Stonyhurst, a good many hours of Bright Sunshine were registered.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

FORECASTS*

For the 24 hours ending at NOON on 20th JULY, 1903

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	NONE ISSUED	6 SCOTLAND WEST	NONE ISSUED
1 SCOTLAND EAST		7 ENGLAND N.W.	
2 ENGLAND N.E.		8 ENGLAND S.W.	
3 ENGLAND EAST		9 IRELAND NORTH	
4 MIDLAND COUNTIES		10 IRELAND SOUTH	
5 ENGLAND SOUTH		WARNINGS	NONE ISSUED

Note.—The **South Cone**, *point downwards* (▽), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the *North* Cone is hoisted in preference to the *South* Cone.

The **North Cone**, *point upwards* (△), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the *South* Cone is hoisted in preference to the *North* Cone.

* *For terms for transmission of Forecasts by Telegraph, see next page.*

ADDITIONAL OBSERVATIONS made at Stations in the UNITED KINGDOM.

TELEGRAPHIC REPORTS TO-DAY.	Yesterday 6 p.m.					This Morning 8 a.m.									Past 24 Hours.				
	Bar. Ins.	Temp. °	Wind Direc°	Wind Force	Weather.	Barometer. Ins.	Barometer. Change	Temperature Dry.	Temperature Wet.	Temperature Change	Wind Direc°	Wind Force	Weather.	Sea.	Temperature Max.	Temperature Min.	Weather	Sunshine. Hrs.	Rainfall Ins.
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	*	*	o	*	65	54	r, c	3.1	0.39
Bath	29.65	61	W	1	b	29.85	+.23	61	58	−1	W	1	b	*	69	51	–	1.5	0.08

REPORTS FOR YESTERDAY.

STATIONS.	Temperture F. Max.	Temperture F. Min.	Weather.	Sunshine. Hrs.	Rainfall. Ins.	STATIONS.	Temperature F. Max.	Temperature F. Min.	Weather.	Sunshine. Hrs.	Rainfall. Ins.
Southport, to 9 p.m.... ...	64	55	or, c	1.0	0.09	Broadstairs...	*	*	*	2.6	*
Rhyl, to 6 p.m....	*	*	*		*	Margate	67	55	tlr, c	3.6	0.39
Llandudno...	*	*	*	1.1	*	Lowestoft, to 6 p.m. ...					
Aberystwyth, to 6 p.m. ...	65	56	o, c	4.5	0.05	Scarborough	*	*	*		*
Plymouth, to 9 p.m.... ...	69	56	bc, otlr	3.8	0.07	Harrogate, to 6 p.m. ...	69	52	c, o	0.0	—
Worthing	*	*	*	9.3	*	Manchester, to 9 p.m. ...	64	55	bc, o	2.2	—
Brighton	*	*	*		*	Darwen, to 9 p.m.	61	52	o, tlr, omw	0.2	0.65
Eastbourne, to 6 p.m. ...	*	*	*		*	Birmingham, to 9 p.m. ...	60	53	o	0.0	—
Hastings	*	*	*		*						

TEMPERATURE, WEATHER, and RAINFALL at additional FOREIGN STATIONS, mainly for the 24 hours ended at 8 a.m. yesterday.

STATIONS. 18th July 1908.	Temperature, F. Max.	Temperature, F. Min.	Weather.	Rain. Ins.	STATIONS. 17th July 1908	Temperature, F. Dry. 1 p.m.	Temperature, F. Wet.	Weather. 1 p.m.	Rain. Ins. Measured 7 a.m.
Marseilles	82	68	o, c	—	Geneva	64	*	r	0.12
Utrecht...	68	52	o, f	0.04	Berne	64	*	r	0.31
Copenhagen	64	59	r, r	1.46	Lucerne	66	*	r	—
Prague	84	64	o, c	0.35	Coire	77	*	o	—
Vienna	84	68	o, o	—	Castasegna	66	*	o	0.35
Buda-Pesth	88	68	c, b	—	Lugano	70	*	r	1.06
St. Petersburg	68	50	c, o	—					
Rome	90	61	b, b	—					
Malta	76	67	?, f	—					
Madeira (Funchal) Not recd.									

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

TABLE SHOWING THE LOCAL STANDARD TIMES AND THE CORRESPONDING GREENWICH TIMES OF THE OBSERVATIONS RECORDED ON PAGE 1.

COUNTRIES, &c.	Hours of Morning Observations by Local Standard Time.	Corresponding Greenwich Times.	Hours of Evening Observations by Local Standard.	Corresponding Greenwich Times.
British Isles, Belgium† ...	8 a.m. (West European)	8 a.m.	6 p.m. (W.E.T.)	6 p.m.
Holland	8 a.m. (" ")	8 a.m.	7 p.m. (W.E.T.)	7 p.m.
Germany, Denmark, Norway, Sweden	8 a.m. (Mid-European)	7 a.m.	8 p.m. (M.E.T.)	7 p.m.
France	7 a.m. (Paris)	6.51 a.m.	6 p.m. (Paris)	5.51 p.m.
Spain	8 a.m. (West European)	8 a.m.	6 p.m. (W.E.T.)	6 p.m.
Portugal	8 a.m. (Lisbon)	8.36 a.m.	3.23 p.m. (Lisbon)	4 p.m.
Azores { Ponta Delgada	6 a.m. (Local)	7.43 a.m.	9 p.m. (Local)	10.43 p.m.
Azores { Horta	6 a.m. (Local)	7.55 a.m.	9 p.m. (Local)	10.55 p.m.

TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON, AND SUNSET, FOR STATIONS IN THE UNITED KINGDOM, TO-DAY.

19th July, 1908.	Sunrise G.M.T.	Noon G.M.T.	Sunset G.M.T.
Yarmouth	3.52	11.59	8.5
Greenwich	4.7	12.6	8.6
Wick	3.27	12.18	8.59
Valencia	4.44	12.47	8.50

SUBSCRIPTIONS both for the Daily *and* Weekly Weather Reports *may be paid, in advance, to the* Meteorological Office.

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" Weekly , " " £1 10 0 " Single Copies, 6d.

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FORECASTS OF WEATHER for one day in advance are drawn up at the Meteorological Office at 11 a.m., and between 7 and 8 p.m. The latest forecast can be had by Reply Telegram, on paying at any Post Office in the United Kingdom **Sixpence in addition to the cost of the inquiry and reply Telegrams.** Information as to the Terms on which Forecasts can be sent daily, for a long or short period, may be obtained on application to the Meteorological Office, 63, Victoria Street, S.W., either personally or by post.

† The evening observations in Belgium are not given on page 1.

‡ At Oxford the observations are taken at 8 p.m.

DAILY WEATHER REPORT

for 8 a.m. on Tuesday, 21st July, 1903.

Issued by the METEOROLOGICAL OFFICE, 63, Victoria Street, London. W. N. SHAW, *Secretary.*

	STATIONS.	YESTERDAY EVENING. (See note on last page.) Barom. At 32° and M.S.L. Ins.	Temp. Dry Bulb. °	Wind. Direc.	Wind. Force (0 to 12.)	Weather	THIS MORNING. (See note on last page.) Barometer. At 32° At 32° Fahr. and M.S.L. Ins.	Change since Yesterday. Ins.	Temperature. Dry Bulb. °	Wet Bulb. °	Change since Yesterday. °	Wind. Direc.	Wind. Force (0 to 12.)	Weather.	Sea (0 to 9.)	PAST 24 HOURS. Temp. Max. °	Temp. Min. °	Weather	Sunshine. Hours.	Rainfall. Ins.
SCANDINAVIA.	Haparanda ...	29.84	49	N	6	0	29.84	+.18	47	43	−3	N	6	0	*	54	?41	–	*	–
	Hernösand ...	29.93	58	Z	0	8	29.99	+.10	56	52	0	E	4	8	*	68	50	–	*	–
	Stockholm ...	29.95	56	SE	2	8	29.95	+.06	59	57	−3	Z	0	0	*	70	54	–	*	–
	Wisby	29.94	60	Z	0	8	29.98	+.05	62	59	+1	Z	0	8c	*	66	54	–	*	–
	Karlstad	29.90	64	SW	2	8	29.93	+.01	60	57	+2	SW	2	8	*	*	*	–	*	–
	Færder (X'iania Fjord)	29.91	63	SW	2	8	29.95	+.03	63	60	+7	S	1	c	1	63	56	–	*	–
	Bodö	30.07	50	N	4	8o	30.09	+.05	49	45	−1	NNE	2	8	1	50	45	–	*	–
	Christiansund ...	30.03	51	N	7	8	30.00	−.02	50	46	−1	N	6	8	4	55	48	–	*	–
	Skudesnaes ...	29.95	57	N	2	0	29.92	.00	55	53	0	NW	4	0	2	57	54	m,o	*	*
BRITISH ISLANDS.	Sumburgh Head	30.01	50	N	2	0	29.96	+.05	49	45	0	Z	0	0	3	51	46	o	*	–
	Stornoway ...	30.01	61	E	2	8c	29.88	−.10	52	51	−1	S	4	0	4	61	42	o,8c	11.8	–
	Malin Head ...	30.06	59	WNW	1	8	29.85	−.17	57	57	+5	SSW	3	op	3	60	52	8	*	0.12
	Blacksod Pt. ...	30.06	62	SW	3	8c	29.89	−.17	60	57	+1	SW	3	c	3	63	58	c,8c	*	0.32
	Valencia	30.09	62	SSE	2	0	29.97	−.13	62	61	+3	SSW	3	rm	4	65	59	c,o	4.7	0.13
	Roche's Point ...	30.10	64	WSW	3	0	30.01	−.05	61	61	+2	WSW	1	r	3	67	58	c,or	*	0.08
	Parsonstown ...	30.08	65	Z	0	8c	29.95	−.12	61	60	+6	SW	1	or	*	68	54	–	4.8	0.11
	Donaghadee ...	30.07	55	ENE	1	8c	29.97	−.05	57	56	+1	WSW	1	od	2	57	47	–	*	0.01
	Liverpool Obsy.	30.07	60	NW	1	8	30.04	+.01	59	56	+4	S	1	c	1	64	54	–	*	–
	Holyhead ...	30.09	58	NW	1	c	30.02	.00	59	58	+1	SSW	3	op	2	62	53	cm,c	*	–
	Pembroke (St. Ann's)	30.09	58	NW	4	8c	30.06	+.04	59	58	+2	SW	4	og	3	61	57	8c,g	10.4	–
	Scilly (St. Mary's)...	30.13	63	NW	2	0	30.09	+.05	61	60	+1	SW	3	f	2	?67	57	c,o	5.1	0.01
	Jersey (St. Aubins)...	30.12	64	WNW	4	8m	30.19	+.15	62	60	−1	W	3	cm	3	69	57	cm,8mw	10.0	–
	Portland Bill ...	30.08	61	W	4	c	30.15	+.15	61	58	+4	W	1	8c	1	65	56	8c,c	*	–
	Dungeness ...	30.08	60	ENE	3	cp	30.17	+.17	64	58	+3	NE	2	8c	1	68	55	8c,r	1.0	0.43
	Wick	30.04	55	Z	0	8	29.95	−.07	52	50	+1	SE	2	8	1	57	44	–	*	–
	Nairn	30.01	55	NNE	1	8c	29.93	−.09	56	53	+3	Z	0	c	0	60	40	–	*	–
	Aberdeen ...	30.05	52	ESE	1	8v	29.98	−.05	53	50	−2	SSE	3	8c	1	58	48	cv,8v	4.5	–
	Leith	30.00	59	N	1	8c	29.98	−.03	57	53	−1	NE	1	c	*	64	45	–	*	–
	North Shields ...	30.03	55	SE	1	ou	30.02	.00	58	54	+5	SW	1	cf	2	58	49	c,oupf	*	–
	Spurn Head ...	30.07	56	E	3	8	30.10	+.10	61	57	+6	SW	2	8	2	61	53	–	*	–
	Yarmouth ...	30.04	58	N	4	cv	30.12	+.16	57	54	−2	WSW	3	8c	2	60	45	8c,cv	*	–
	Nottingham ...														*					
	Oxford	30.12	57	ENE	1	8	30.13	+.11	57	55	+3	S	1	o	*	61	50	od,8	*	0.01
	London (Brixton)...	30.06	60	NE	1	og	30.13	+.14	59	56	0	Z	0	o	*	61	49	og	0.1	–
GERMANY, &c.	The Scaw (Skagen)	29.98	59	NNW	1	c	29.95	+.05	59	54	−5	WNW	2	8	0	66	54	–	*	–
	Fanö	30.00	55	NW	2	8	30.04	+.16	57	53	−5	WNW	2	o	*	68	52	–	*	–
	Cuxhaven ...	29.98	62	NW	3	0	30.06	+.14	58	55	−3	NW	2	o	*	64	57	–	*	–
	The Helder ...	29.99	60	NNE	3	0	30.11	+.17	58	53	−4	SW	2	8	1	64	55	–	*	–
	Brussels	*	*	*	*	*	30.15	+.16	56	55	−6	NW	1	o	*	73	55	–	*	0.32
	Berlin	29.91	65	Z	0	c	30.00	+.11	62	59	−4	W	1	o	*	72	57	–	*	0.16
	Frankfürt ...	30.01	59	SW	3	0	30.06	+.17	57	57	−8	S	1	o	*	70	54	–	*	2.84
	Munich	30.13	58	W	5	c	30.15	+.12	57	55	−4	W	4	o	*	66	54	–	*	0.04
FRANCE.	C. Gris Nez ...	30.06	59	NNE	3	8c	30.15	+.18	59	54	+1	NE	2	8c	2	62	54	–	*	–
	Brest	30.18	64	NW	2	8c	30.21	+.13	61	60	+1	SW	2	o	2	68	59	–	*	–
	Lorient	30.15	66	WNW	5	c	30.22	+.13	62	60	+1	ENE	1	c	2	70	59	–	*	–
	Rochefort ...	30.16	66	NW	4	c	30.25	+.16	64	60	0	N	3	8	*	70	61	c	*	–
	Biarritz	30.31	64	WSW	4	r	30.32	+.09	63	63	−1	WSW	3	o	3	66	63	–	*	1.02
	Paris	30.07	67	NW	2	8	30.19	+.15	58	56	−4	W	1	o	*	75	54	–	*	0.43
	Belfort	30.07	59	Z	0	0	30.12	+.13	55	55	−2	W	2	o	*	66	48	–	*	0.31
	Lyons	30.13	58	WNW	?	2r	30.21	+.13	62	55	−4	N	2	c	*	73	55	–	*	0.35
	Nice	29.82	77	Z	0	8c	29.94	+.05	69	63	−2	WSW	1	8	2	86	63	–	*	–
	Perpignan ...	30.11	71	W	4	c	30.24	+.10	68	58	0	NW	3	8	*	81	63	–	*	–
SPAN. PEN.	Corunna																		*	
	Lisbon														*				*	
	Azores (P. Delgada)																		*	
	" (Horta) ...	30.46	66	NW	2	8	30.43	−.01	66	62	0	Z	0	c	0	75	63	–	*	–

NOTE: *The Sunshine for London given in this Table is recorded on the Tower of the Wesleyan Training College, Westminster: the Sunshine entered to Dungeness is recorded at Littlestone-on-Sea.*

* *Observations for this column not generally received.* † *Observations received too late for insertion in Charts on next page.*

WEATHER CHARTS

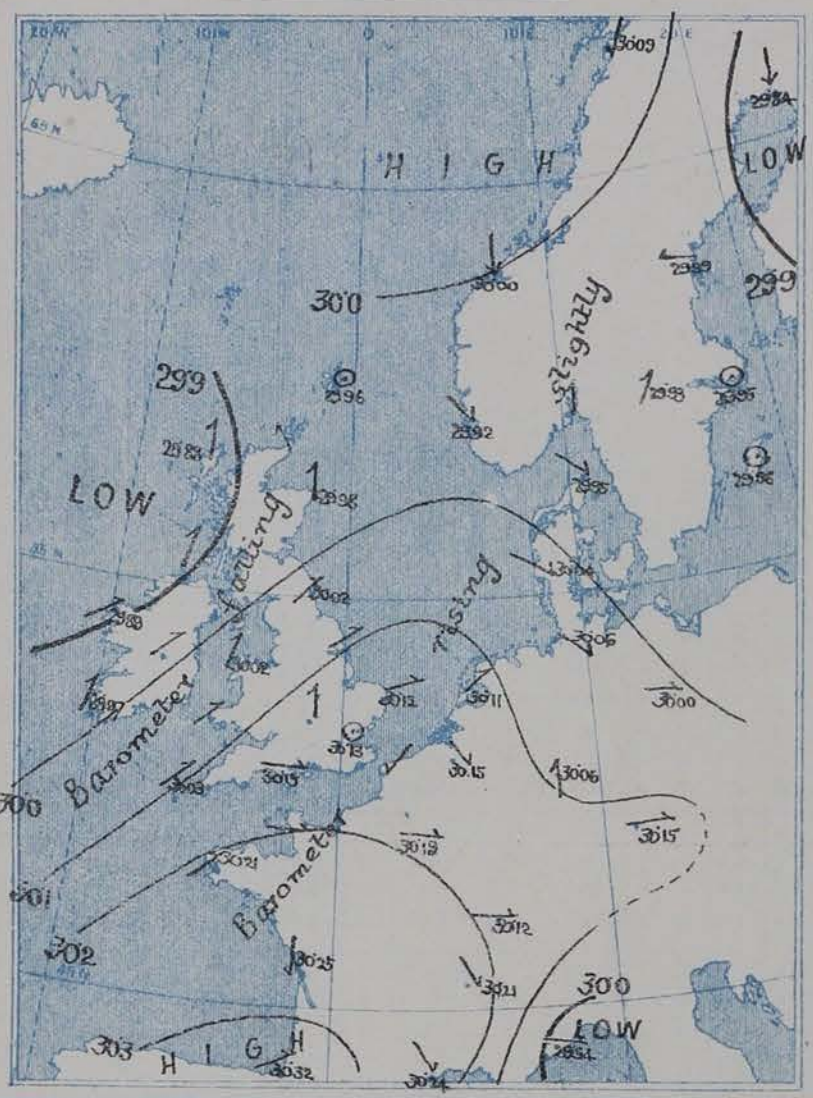
FOR TUESDAY, 21st JULY, 1903.

I. BAROMETER, WIND AND SEA. *This Morning.*

BAROMETER.—Isobars are drawn for each tenth of an inch.
WIND.—Arrows show Directions and Force, flying with the wind.

Force above 10 ⟶⟶ : *Force 5 to 7* ⟶ : } Calm ⊙
Force 8 to 10 ⟶ : *Force 1 to 4* ⟶ }

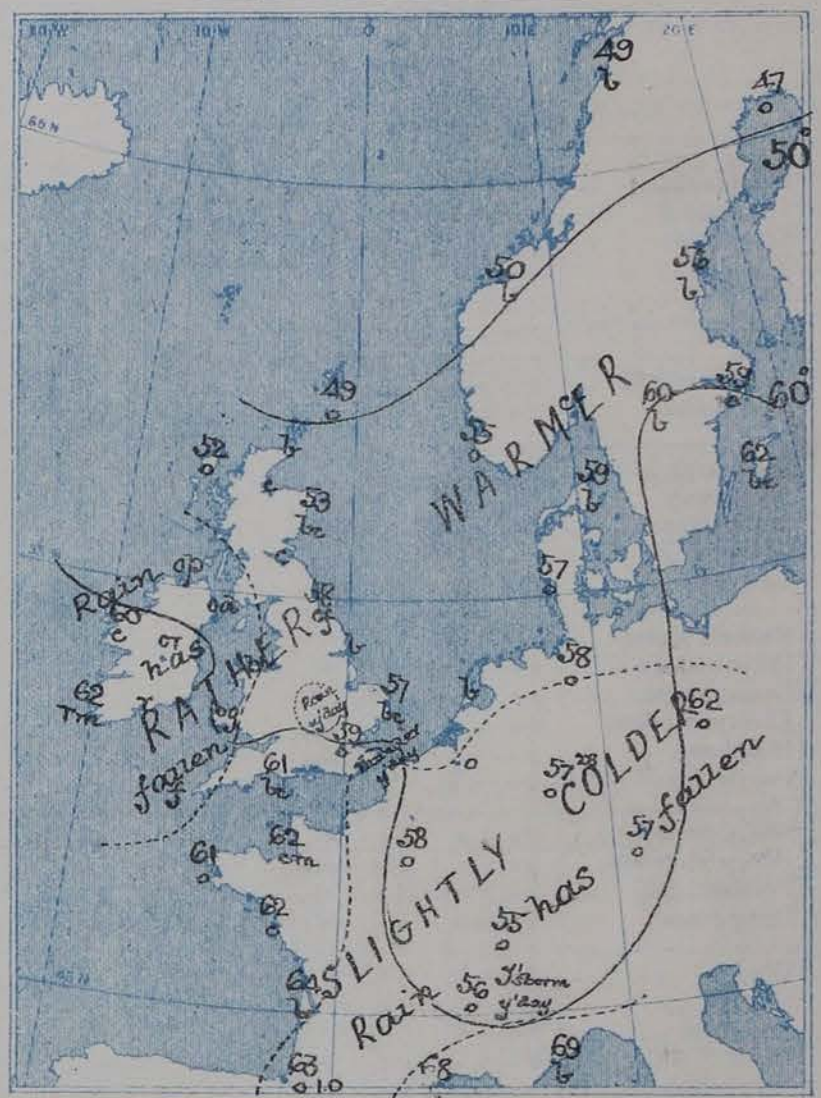
SEA.—Rough ▒ *High* ▓



II. TEMPERATURE AND WEATHER. *This Morning.*

TEMPERATURE.—Isotherms are drawn for each 10°.
WEATHER.—Shown by Letters of the Beaufort Scale. *(See P. 4.)*

RAINFALL.— *A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0·6*

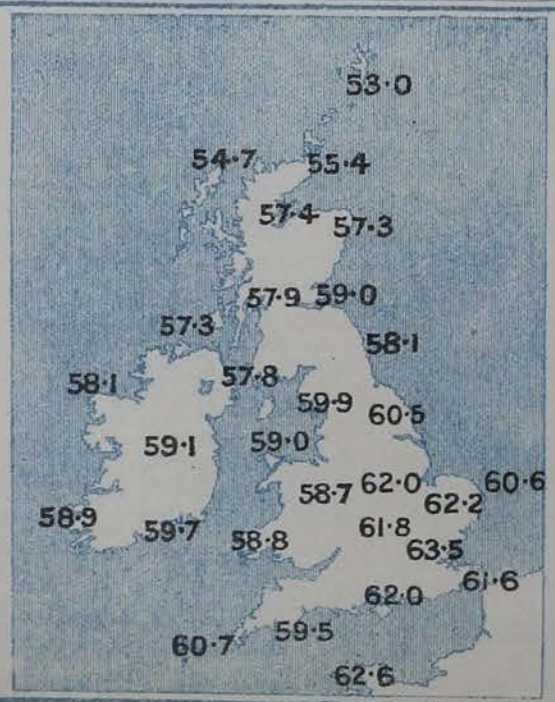


III. BAROMETER AND WIND

Yesterday morning.

IV. *Averages of* DAILY MAXIMUM *and* MINIMUM TEMERATURES

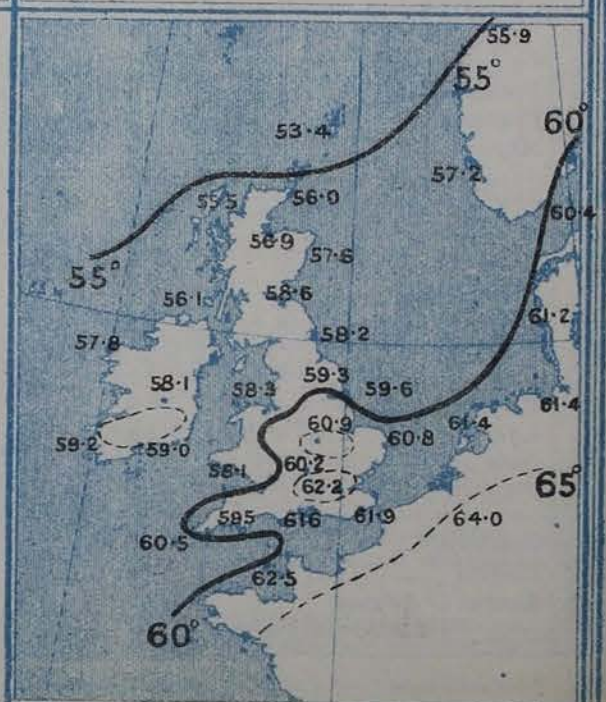
Combined for the month of JULY. *(1871-1900)*



V. *Means of* DAILY TEMPERATURE

at 8 A.M. for the Monthly period

JULY. *(1871-1900.)*



GENERAL SITUATION AT 8 A.M.

PRESSURE

The barometer is rising steadily throughout our area. A high pressure area appears to be advancing from the southwest, the barometer now standing at 30·10 ins. at Valencia and 30·24 ~~ins~~ at Biarritz. The stations on the northern part of the coast of Norway also report readings over 30·0 ins. Low pressure systems occupy the eastern part of our area; the lowest pressure is reported from the extreme northeast, at Skapaanda the barometer is as low as 29·66 ins. Centres of low pressure lie over the south of the Baltic, over Germany (near Frankfurt) and over the Gulf of Genoa. A well marked secondary "low" covers our southern counties and there are indications of many small irregularities over our Islands.

WIND

With the distribution of pressure as described above, i.e. "high" in the west and "low" in the east, the wind over the whole of our area is generally Northerly in direction, but many local variations are shown. The intensity is generally moderate or light.

TEMPERATURE

WEATHER

AND

SEA

The weather is fair but cloudy over our islands; in the region of the secondary mentioned above it is dull and a drizzling rain is falling at Oxford. The irregular distribution of pressure over the continent causes dull unsettled weather to be general; in Scandinavia it is fine. The changes of temperature are slight, and irregular. The Northerly breeze and clouded sky keep the readings low generally. The sea is smooth or slight generally.

The rainfall during the past 24 hours was very irregular, only 5 British stations report measurable quantities of rain. 1½ ins was recorded at Biarritz. The amount of sunshine varied greatly, over 10 hours were recorded in places on the south coast, but in London and at many northern stations the sky remained overcast all day. Thunderstorms occurred in many places in the south and midlands.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The barometer is rising generally; as the high pressure in the southwest spreads, fair weather may be expected generally, but local showers, probably accompanied by thunder, are still probable in many places.

FORECASTS*

For the 24 hours ending at NOON on 21ST JULY 1903

DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH 1 SCOTLAND EAST	N^ly to NE^ly winds, light; fair generally, local showers.
2 ENGLAND N.E. 3 ENGLAND EAST 4 MIDLAND COUNTIES 5 ENGLAND SOUTH	N^ly breezes; fair generally, local thundershowers.
6 SCOTLAND WEST	N^ly to NW^ly winds, light; fair generally.
7 ENGLAND N.W. 8 ENGLAND S.W. 9 IRELAND NORTH 10 IRELAND SOUTH	N^ly to NW^ly winds, moderate or light; fair as a whole.
WARNINGS	None issued.

Note.—The **South Cone**, *point downwards* ( ), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the *North* Cone is hoisted in preference to the *South* Cone.

The **North Cone**, *point upwards* ( ), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the *South* Cone is hoisted in preference to the *North* Cone.

* *For terms for transmission of Forecasts by Telegraph, see next page.*

ADDITIONAL OBSERVATIONS made at Stations in the UNITED KINGDOM.

TELEGRAPHIC REPORTS TO-DAY.	Yesterday 6 p.m.					This Morning 8 a.m.									Past 24 Hours.				
	Bar. Ins	Temp. °	Wind Direc^n	Wind Force	Weather	Barometer. Ins.	Barometer. Change	Temperature Dry	Temperature Wet.	Temperature Change	Wind Direc^n	Wind Force	Weather.	Sea.	Temperature Max.	Temperature Min.	Weather	Sunshine. Hrs.	Rainfall Ins.
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	*	*	o	*	63	55	r, o	1·2	0·08
Bath	29·87	70	W	3	b	30·00	+·15	58	57	− 3	W	1	b	*	71	56	–	7·5	–

REPORTS FOR YESTERDAY.

STATIONS.	Temperture F. Max.	Temperture F. Min.	Weather.	Sunshine. Hrs.	Rainfall. Ins.	STATIONS.	Temperature F. Max.	Temperature F. Min.	Weather.	Sunshine. Hrs.	Rainfall. Ins.
Southport, to 9 p.m.... ...	62	52	o, p, o	0·0	0·04	Broadstairs...	*	*	*	1·8	*
Rhyl, to 6 p.m.	*	*	*	0·0	*	Margate	*	*	*	0·6	*
Llandudno. To 6 p.m.	*	*	*	0·0	*	Lowestoft, to 6 p.m. ...					
Aberystwyth, to 6 p.m. ...	63	52	c	5·0	–	Scarborough	*	*	*	0·0	*
Plymouth, to 9 p.m.... ...						Harrogate, to 6 p.m. ...	54	50	m, o	0·0	–
Worthing	*	*	*	10·8	*	Manchester, to 9 p.m. ...					
Brighton	*	*	*	9·8	*	Darwen, to 7 p.m.	59	50	o m	0·0	–
Eastbourne, to 6 p.m. ...	*	*	*	7·8	*	Birmingham, to 9 p.m. ...	61	52	o, r, o	0·0	0·17
Hastings	*	*	*	4·8	*						

TEMPERATURE, WEATHER, and RAINFALL at additional FOREIGN STATIONS, mainly for the 24 hours ended at 8 a.m. yesterday.

STATIONS. 19th July 1903.	Temperature, F. Max.	Temperature, F. Min.	Weather.	Rain. Ins.	STATIONS. 18th July 1903	Temperature, F. Dry. 1 p.m.	Temperature, F. Wet.	Weather. 1 p.m.	Rain. Ins. Measured 7 a.m.
Obsns not received.									
Marseilles					Geneva	77	*	r	0·31
Utrecht...					Berne	70	*	c	0·28
Copenhagen					Lucerne	79	*	b	0·55
Prague					Coire	79	*	bc	–
Vienna					Castasegna	75	*	o	0·31
Buda-Pesth					Lugano	73	*	o	0·12
St. Petersburg									
Rome									
Malta									
Madeira (Funchal)									

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

TABLE SHOWING THE LOCAL STANDARD TIMES AND THE CORRESPONDING GREENWICH TIMES OF THE OBSERVATIONS RECORDED ON PAGE 1.

COUNTRIES, &c.	Hours of Morning Observations by Local Standard Time.	Corresponding Greenwich Times.	Hours of Evening Observations by Local Standard.	Corresponding Greenwich Times.
British Isles, Belgium† ...	8 a.m. (West European)	8 a.m.	6 p.m.‡ (W.E.T.)	6 p.m.‡
Holland	8 a.m. („ „)	8 a.m.	7 p.m. (W.E.T.)	7 p.m.
Germany, Denmark, Norway, Sweden	8 a.m. (Mid-European)	7 a.m.	8 p.m. (M.E.T.)	7 p.m.
France	7 a.m. (Paris)	6.51 a.m.	6 p.m. (Paris)	5.51 p.m.
Spain	8 a.m. (West European)	8 a.m.	6 p.m. (W.E.T.)	6 p.m.
Portugal	8 a.m. (Lisbon)	8.36 a.m.	3.23 p.m. (Lisbon)	4 p.m.
Azores { Ponta Delgada	6 a.m. (Local)	7.43 a.m.	9 p.m. (Local)	10.43 p.m
Azores { Horta	6 a.m. (Local)	7.55 a.m.	9 p.m. (Local)	10.55 p.m

TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON, AND SUNSET, FOR STATIONS IN THE UNITED KINGDOM, TO-DAY.

20th July, 1903.	Sunrise G.M.T.	Noon G.M.T.	Sunset G.M.T.
Yarmouth	3.54	11.59	8.4
Greenwich	4.8	12.6	8.5
Wick	3.39	12.18	8.57
Valencia	4.46	12.47	8.49

SUBSCRIPTIONS both for the Daily *and* Weekly Weather Reports *may be paid, in advance, to the* Meteorological Office.

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„ Weekly „ „ „ £1 10 0 „ Single Copies, 6d.

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FORECASTS OF WEATHER for one day in advance are drawn up at the Meteorological Office at 11 a.m., and between 7 and 8 p.m. The latest forecast can be had by Reply Telegram, on paying at any Post Office in the United Kingdom **Sixpence in addition to the cost of the inquiry and reply Telegrams.** Information as to the Terms on which Forecasts can be sent daily, for a long or short period, may be obtained on application to the Meteorological Office, 63, Victoria Street, S.W., either personally or by post.

† The evening observations in Belgium are not given on page 1.

‡ At Oxford the observations are taken at 8 p.m.

DAILY WEATHER REPORT

for 8 a.m. on Wednesday, 22nd July, 1903.

Issued by the METEOROLOGICAL OFFICE, 63, Victoria Street, London. W. N. SHAW, *Secretary.*

	STATIONS.	YESTERDAY EVENING. (See note on last page.) Barom. At 32° and M.S.L. Ins.	Temp. Dry Bulb. °	Wind. Direc.	Force (0 to 12.)	Weather	THIS MORNING. (See note on last page.) Barometer. At 32° At 32° Fahr. and M. S. L. Ins.	Change since Yesterday. Ins.	Temperature. Dry Bulb. °	Wet Bulb. °	Change since Yesterday. °	Wind. Direc.	Force (0 to 12.)	Weather.	Sea (0 to 9.)	PAST 24 HOURS. Temp. Max. °	Min. °	Weather	Sunshine. Hours.	Rainfall. Ins.
SCANDINAVIA.	Haparanda ...	29.89	48	N	4	c	29.93	+.09	50	49	+ 3	NE	4	o	*	50	45	–	*	0.08
	Hernösand ...	29.92	54	Z	0	b	30.00	+.01	57	50	+ 1	E	4	b	*	63	45	–	*	–
	Stockholm ...	29.93	60	S	2	b	29.91	–.04	66	60	+ 7	W	2	b	*	68	50	–	*	–
	Wisby	29.96	59	Z	0	b	29.99	+.01	62	59	0	ENE	2	b	*	64	55	–	*	–
	Karlstad	29.93	65	Z	0	b	30.00	+.07	58	54	– 2	W	2	b	*	*	*	–	*	–
	Færder (X'iania Fjord)	29.95	59	SW	4	b	29.98	+.03	58	53	– 5	SSW	4	o	2	63	57	–	*	–
	Bodö	30.01	51	N	4	b	29.97	–.12	51	48	+ 2	N	2	b	1	52	45	–	*	–
	Christiansund ...	29.97	53	NNE	4	b	29.97	–.03	53	50	+ 3	ENE	3	bc	3	55	48	–	*	–
	Skudesnaes ...	29.98	55	NW	2	o	29.96	+.04	55	52	0	W	2	o	1	59	54	o	*	*
BRITISH ISLANDS.	Sumburgh Head	29.89	53	SE	3	b	29.78	–.18	52	52	+ 3	ESE	3	o	4	54	48	b	*	0.01
	Stornoway ...	29.79	59	SW	3	o	29.70	–.18	56	55	+ 4	SW	1	bc	0	60	49	r, o	0.8	0.18
	Malin Head ...	29.83	60	W	2	c	29.71	–.14	57	53	0	SW	4	bc	3	65	53	bc, c	*	–
	Blacksod Pt. ...	29.85	62	WSW	4	b	29.72	–.17	59	55	– 1	SSW	4	bcp	4	63	53	b	*	0.22
	Valencia	29.92	61	SSW	4	og	29.80	–.17	58	55	– 4	S	3	bc	4	65	53	c, og	3.3	0.09
	Roche's Point ...	29.94	62	SSW	3	o	29.84	–.17	60	56	– 1	WSW	3	bc	2	65	56	o	*	0.09
	Parsonstown ...	29.89	63	W	1	bc	29.82	–.13	58	55	– 3	S	1	b	*	68	54	r, bc	2.6	0.05
	Donaghadee ...	29.95	65	WSW	1	cbp	29.76	–.21	58	57	+ 1	WSW	2	bcp	1	68	53	–	*	0.17
	Liverpool Obsy.	29.94	63	S	1	o	29.80	–.24	59	58	0	WSW	1	o	0	66	58	op	*	0.62
	Holyhead ...	29.91	58	SSW	4	fp	29.80	–.22	57	56	– 2	WSW	2	cfr	2	60	55	rf, pf	*	0.42
	Pembroke (St. Ann's)	29.98	60	SW	5	o	29.85	–.21	59	57	0	W	4	bc	4	62	57	ormf	0.0	0.72
	Scilly (St. Mary's)...	30.05	64	SW	4	cpdm	29.91	–.18	62	60	+ 1	W	3	c	5	68	60	cpdm	1.9	0.76
	Jersey (St. Aubins)...	30.16	64	SSE	3	og	30.03	–.16	64	62	+ 2	S	3	og	3	69	60	bc, ogp	5.8	0.02
	Portland Bill ...	30.09	60	SW	4	f	29.97	–.18	59	50	– 2	SW	4	o	4	65	58	c, f	*	0.01
	Dungeness ...	30.13	62	SW	5	bc	30.02	–.15	62	61	– 2	WSW	4	r	2	?67	59	b, bc	11.3	0.02
	Wick	29.84	56	?S	2	o	29.71	–.24	54	53	+ 2	SE	1	f	1	59	49	–	*	0.05
	Nairn	29.81	62	Z	0	c	29.69	–.24	55	55	– 1	E	1	fb	0	64	51	–	*	0.03
	Aberdeen ...	29.88	56	SSW	2	rm	29.73	–.25	53	53	0	E	1	f	2	61	51	c, rm, f, p	5.2	0.16
	Leith	29.85	60	SW	2	o	29.72	–.26	61	58	+ 4	SW	1	bc	*	64	55	op	*	0.07
	North Shields ...	29.91	61	SW	2	rg	29.76	–.26	59	57	+ 1	SW	2	r	2	67	55	f, o, rg	*	0.21
	Spurn Head ...	29.99	63	S	4	c	29.83	–.27	62	61	+ 1	S	4	c	2	72	58	–	*	0.06
	Yarmouth ...	30.04	64	S	4	bc	29.91	–.21	64	62	+ 7	SW	4	c	3	69	54	b, bc	*	0.18
	Nottingham ...														*					
	Oxford	30.03	61	S	2	o	29.92	–.21	63	60	+ 6	SSW	3	od	*	70	57	op	*	0.23
	London (Brixton)...	30.06	65	SSE	3	o	29.94	–.19	65	62	+ 6	SW	3	op	*	73	58	o, bc, gp	4.7	0.02
GERMANY, &c.	The Scaw (Skagen)	30.00	57	W	3	c	29.99	+.04	57	51	– 2	W	2	c	0	63	54	–	*	–
	Fanö	30.06	56	WNW	2	c	30.01	–.03	60	58	+ 3	WSW	2	c	*	61	55	–	*	–
	Cuxhaven ...	30.09	59	WNW	3	bc	30.06	.00	57	54	– 1	S	3	bc	*	61	52	–	*	–
	The Helder ...	30.08	59	WSW	1	bc	29.96	–.15	59	58	+ 1	SSW	1	r	1	63	54	–	*	–
	Brussels	*	*	*	*	*	30.07	–.08	61	59	+ 5	SE	2	o	*	70	54	–	*	0.04
	Berlin	30.03	63	WNW	3	bc	30.08	+.08	58	53	– 4	WNW	3	b	*	72	54	–	*	0.04
	Frankfürt ...	30.11	59	NW	1	o	30.12	+.06	56	55	– 1	S	2	o	*	70	54	–	*	–
	Munich	30.18	57	W	6	c	30.23	+.08	58	56	+ 1	W	6	bc	*	66	54	–	*	0.67
FRANCE.	C. Gris Nez ...	30.14	62	SW	3	b	30.02	–.13	61	60	+ 2	SW	4	f	4	70	59	–	*	0.04
	Brest	30.17	63	SW	2	o	30.02	–.19	61	61	0	S	3	r	3	66	59	–	*	–
	Lorient	30.20	66	W	3	f	30.04	–.18	63	63	+ 1	SW	3	b	2	72	61	–	*	–
	Rochefort ...	30.20	70	WSW	3	c	30.10	–.15	63	62	– 1	E	3	m	*	73	61	bc, c	*	–
	Biarritz	30.27	69	NE	1	b	30.11	–.21	64	63	+ 1	Z	0	b	0	73	59	–	*	–
	Paris	30.16	70	W	2	b	30.12	–.07	63	59	+ 5	S	2	b	*	73	55	–	*	–
	Belfort	30.13	61	SW	5	c	30.17	+.05	52	52	– 3	SSE	2	f	*	68	49	–	*	–
	Lyons	30.21	63	WNW	2	c	30.15	–.06	63	?56	+ 1	NE	1	b	*	73	55	–	*	0.24
	Nice	29.96	71	Z	0	c	30.01	+.07	69	61	0	SSE	1	b	1	81	61	–	*	–
	Perpignan ...	30.18	77	NW	3	b	30.11	–.13	69	62	+ 1	SW	1	b	*	81	57	–	*	–
SPAN. PEN.	Corunna																		*	
	Lisbon	30.10	73	NNW	5	b	30.07	–.11	68	64	– 7	NNW	4	b	*	86	64	–	*	–
	Azores (P. Delgada)	30.36	65	NNE	1	b	30.28	–.11	69	64	+ 1	WNW	4	b		72	63	–	*	–
	„ (Horta) ...	30.37	68	W	1	b	30.29	–.14	69	68	+ 3	WSW	2	c	1	75	?66	–	*	0.08

NOTE: *The Sunshine for London given in this Table is recorded on the Tower of the Wesleyan Training College, Westminster: the Sunshine entered to Dungeness is recorded at Littlestone-on-Sea.*

* *Observations for this column not generally received.*

† *Observations received too late for insertion in Charts on next page.*

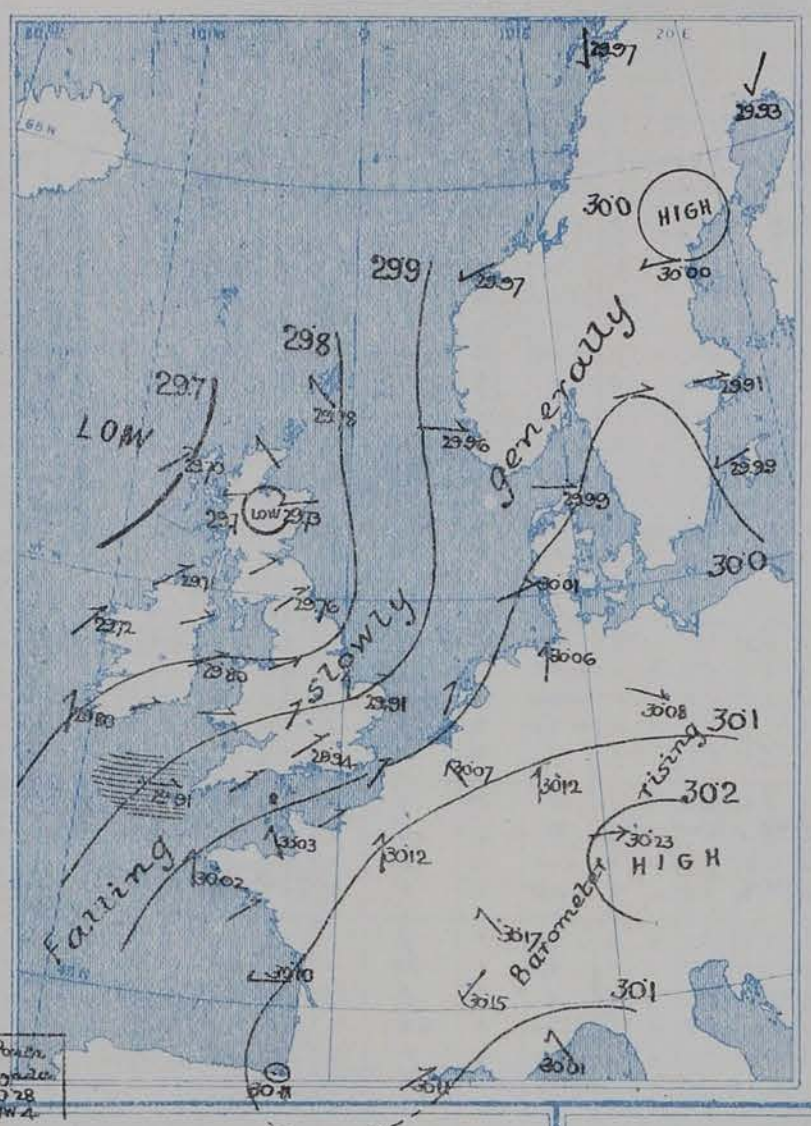
WEATHER CHARTS

FOR WEDNESDAY, 22ND JULY, 1903.

I. BAROMETER, WIND AND SEA. *This Morning.*

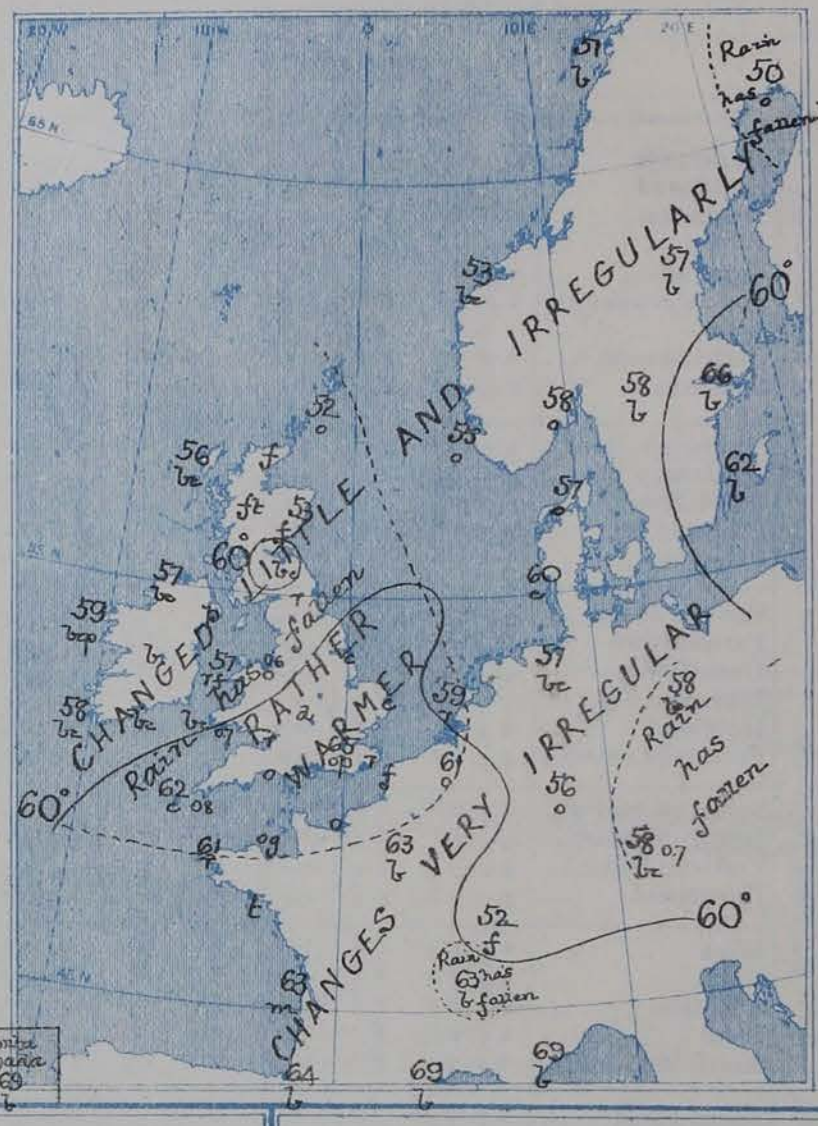
BAROMETER.—Isobars are drawn for each tenth of an inch.
WIND.—Arrows show Directions and Force, flying with the wind.

Force above 10 — *Force 5 to 7* — } Calm ⊙
Force 8 to 10 — *Force 1 to 4* —
SEA.—Rough — *High*



II. TEMPERATURE AND WEATHER. *This Morning.*

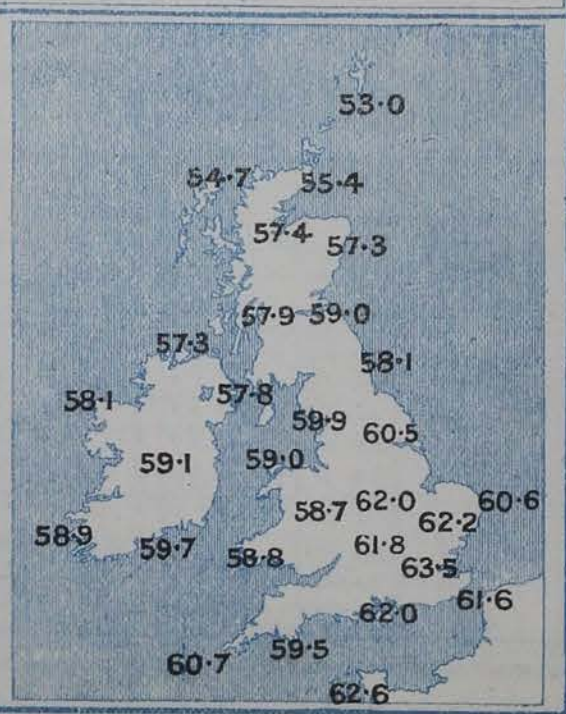
TEMPERATURE.—Isotherms are drawn for each 10°.
WEATHER.—Shown by Letters of the Beaufort Scale. *(See P. 4.)*
RAINFALL.—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0·6



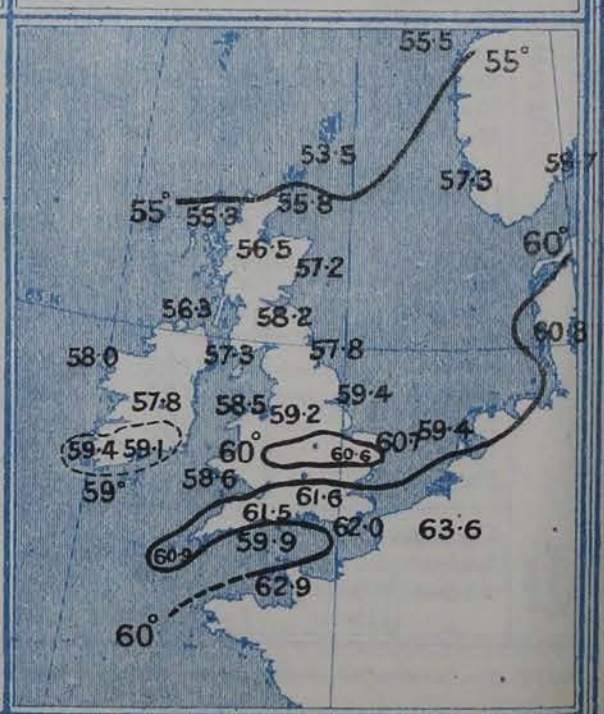
III BAROMETER AND WIND

Yesterday morning.

IV. *Averages of* DAILY MAXIMUM *and* MINIMUM TEMERATURES *Combined for the month of* JULY. *(1871-1900)*



V. *Means of* DAILY TEMPERATURE *at 8 A.M for the Two monthly period* JULY - AUGUST *(1871-1900)*



GENERAL SITUATION AT 8 A.M.

PRESSURE

An anticyclone extends from the southwestward over France, the Netherlands, Western Germany and the greater part of England, the highest pressures, 30·3 ins. and upwards, being reported over the southwest of France. The barometer is rising slightly at our southeastern and most of the Continental stations, but is falling in all the more western and northern parts of the United Kingdom, a new depression, with readings below 29·9 ins., being shown off our extreme northwest coasts. The barometer is equally low in another shallow disturbance over Lapland, and is somewhat low, 30·0 ins. and less, in a small area over the Gulf of Genoa.

WIND TEMPERATURE WEATHER AND SEA

Under the influence of the approaching disturbance in the north west the wind has shifted to the Southwestward over the whole of the United Kingdom, and rain has set in at nearly all the Irish stations; over Great Britain the weather is at present fair. In France the wind is rather variable, but over the northern and central parts of the Continent a partial cyclonic circulation is shown round the depression in the extreme north, the wind being Northerly in the western and northern parts of Scandinavia (strong in force at Haparanda and Christiansund) but NorthWesterly in Denmark and Westerly in Germany. In Denmark, Germany and Central France the sky is overcast, but over the western parts of the Continent generally it is clear or nearly so. Temperature has risen a few degrees over England and Ireland and is now slightly above the average in many places, the highest readings reported being 64° at Dungeness and 62° at Valencia (Ireland) and Jersey. In Scotland the thermometer remains low, the readings being below 55° in many places, and as low as 49° at Dunbeath Head. Cool weather is reported also over the Netherlands, Germany and Central France, the temperatures there being mostly below 60°. The sea is slight or smooth generally, but moderate at Stornoway and Valencia (Ireland).

During yesterday the thermometer rose to 65° and upwards in the southwestern parts of the United Kingdom, and to 68° at Jersey; in the east and southeast of England it scarcely exceeded 60°. The amount of Bright Sunshine was large in Ireland and the west and north of England, but small elsewhere. Thunder and considerable rain occurred at Dungeness, and heavy rain fell in some parts of France and Germany, the amount being as large as 2·8 ins. at Frankfurt and 1·0 in. at Biarritz.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The new depression which is approaching our northwest coasts is likely to spread eastwards, and to occasion rain over nearly the whole Kingdom. The disturbance, though large, is apparently shallow, so that no serious increase of wind is anticipated.

FORECASTS*

For the 24 hours ending at NOON on 22ND JULY, 1903

DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH 1 SCOTLAND EAST	S.ly winds, freshening; fair at first, some rain later.
2 ENGLAND N.E.	SW.ly winds, light; fair at first, some rain later.
3 ENGLAND EAST 4 MIDLAND COUNTIES 5 ENGLAND SOUTH	SW.ly winds, light or moderate; fair today, some rain tonight or tomorrow.
6 SCOTLAND WEST 7 ENGLAND N.W.	S.ly to SW.ly winds, freshening; dull, unsettled, some rain.
8 ENGLAND S.W.	SW.ly winds, moderate or fresh; dull, some rain.
9 IRELAND NORTH 10 IRELAND SOUTH	SW.ly to W.ly winds, freshening, dull, some rain.
WARNINGS	None issued.

Note.—The **South Cone**, *point downwards* (▼), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the *North* Cone is hoisted in preference to the *South* Cone.

The **North Cone**, *point upwards* (▲), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the *South* Cone is hoisted in preference to the *North* Cone.

* *For terms for transmission of Forecasts by Telegraph, see next page.*

ADDITIONAL OBSERVATIONS made at Stations in the UNITED KINGDOM.

TELEGRAPHIC REPORTS TO-DAY.	Yesterday 6 p.m.					This Morning 8 a.m.									Past 24 Hours.				
	Bar. Ins	Temp. °	Wind Direc.	Wind Force	Weather	Barometer. Ins.	Barometer. Change	Temperature Dry.	Temperature Wet.	Temperature Change	Wind Direc.	Wind Force	Weather.	Sea.	Temperature Max.	Temperature Min.	Weather	Sunshine. Hrs.	Rainfall Ins.
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	*	*	b	*	63	49	o	0·3	0·04
Bath	30·08	63	NW	1	b	30·12	+ ·12	61	56	+ 3	SW	1	b	*	65	50	–	1·3	–

REPORTS FOR YESTERDAY.

STATIONS.	Temperture F. Max.	Temperture F. Min.	Weather.	Sunshine. Hrs.	Rainfall. Ins.	STATIONS.	Temperature F. Max.	Temperature F. Min.	Weather.	Sunshine. Hrs.	Rainfall. Ins.
Southport, to 9 p.m.... ...	65	51	o, b, o	11·3	–	Broadstairs...	*	*	*	0·3	*
Rhyl, to 6 p.m.	*	*	*	9·0	*	Margate	*	*	*	0·0	*
Llandudno to 6 p.m	*	*	*	9·3	*	Lowestoft, to 6 p.m. ...	59	53	co, o	1·0	–
Aberystwyth, to 6 p.m. ...	63	58	c	6·0	–	Scarborough	*	*	*	12·1	*
Plymouth, to 9 p.m.... ...	69	56	bc	9·5	–	Harrogate, to 6 p.m. ...	65	47	o, w, bc	7·9	–
Worthing	*	*	*	4·1	*	Manchester, to 9 p.m. ...	67	51	bc, g, u	2·5	–
Brighton to 6 p.m.	*	*	*	4·9	*	Darwen, to 9 p.m.	60	47	oc, bm, b, o, w	9·3	–
Eastbourne, to 6 p.m. ...	*	*	*	5·2	*	Birmingham, to 9 p.m. ...	61	51	r, o	0·1	0·12
Hastings	*	*	*	2·6	*						

TEMPERATURE, WEATHER, and RAINFALL at additional FOREIGN STATIONS, mainly for the 24 hours ended at 8 a.m. yesterday.

STATIONS. 20th July 1903.	Temperature, F. Max.	Temperature, F. Min.	Weather.	Rain. Ins.	STATIONS. Obsns. not received. 19th July 1903	Temperature, F. Dry. 1 p.m.	Temperature, F. Wet.	Weather. 1 p.m.	Rain. Ins. Measured 7 a.m.
Marseilles	84	61	o, b	–	Geneva		*		
Utrecht...	68	46	b, m	–	Berne		*		
Copenhagen	66	59	bc, o	?	Lucerne		*		
Prague	79	63	r, bc	0·63	Coire		*		
Vienna	82	66	b, b	–	Castasegna		*		
Buda-Pesth	93	54	b, b	–	Lugano		*		
St. Petersburg	64	54	o, r	0·12					
Rome	95	70	b, bc	–					
Malta	90	72	?, b	–					
Madeira (Funchal) Not rec^d									

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

TABLE SHOWING THE LOCAL STANDARD TIMES AND THE CORRESPONDING GREENWICH TIMES OF THE OBSERVATIONS RECORDED ON PAGE 1.

COUNTRIES, &c.	Hours of Morning Observations by Local Standard Time.	Corresponding Greenwich Times.	Hours of Evening Observations by Local Standard.	Corresponding Greenwich Times.
British Isles, Belgium† ...	8 a.m. (West European)	8 a.m.	6 p.m. (W.E.T.)	6 p.m.
Holland	8 a.m. (" ")	8 a.m.	7 p.m. (W.E.T.)	7 p.m.
Germany, Denmark, Norway, Sweden	8 a.m. (Mid-European)	7 a.m.	8 p.m. (M.E.T.)	7 p.m.
France	7 a.m. (Paris)	6.51 a.m.	6 p.m. (Paris)	5.51 p.m.
Spain	8 a.m. (West European)	8 a.m.	6 p.m. (W.E.T.)	6 p.m.
Portugal	8 a.m. (Lisbon)	8.36 a.m.	3.23 p.m. (Lisbon)	4 p.m.
Azores { Ponta Delgada	6 a.m. (Local)	7.43 a.m.	9 p.m. (Local)	10.13 p.m.
Azores { Horta	6 a.m. (Local)	7.55 a.m.	9 p.m. (Local)	10.55 p.m.

TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON, AND SUNSET, FOR STATIONS IN THE UNITED KINGDOM, TO-DAY.

21st July, 1903.	Sunrise G.M.T.	Noon G.M.T.	Sunset G.M.T.
Yarmouth	3.56	11.59	8.2
Greenwich	4.9	12.6	8.3
Wick	3.41	12.18	8.55
Valencia	4.47	12.47	8.48

SUBSCRIPTIONS both for the Daily *and* Weekly Weather Reports *may be paid, in advance, to the* Meteorological Office.

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" Weekly " " " £1 10 0 " Single Copies, 6d.

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FORECASTS OF WEATHER for one day in advance are drawn up at the Meteorological Office at 11 a.m., and between 7 and 8 p.m. The latest forecast can be had by Reply Telegram, on paying at any Post Office in the United Kingdom **Sixpence in addition to the cost of the inquiry and reply Telegrams.** Information as to the Terms on which Forecasts can be sent daily, for a long or short period, may be obtained on application to the Meteorological Office, 63, Victoria Street, S.W., either personally or by post.

† The evening observations in Belgium are not given on page 1.

‡ At Oxford the observations are taken at 8 p.m.

DAILY WEATHER REPORT

for 8 a.m. on Thursday, 23rd July, 1903.

Issued by the METEOROLOGICAL OFFICE, 63, Victoria Street, London. W. N. SHAW, *Secretary.*

	STATIONS.	YESTERDAY EVENING. (See note on last page.) Barom. At 32° and M.S.L. Ins.	Temp. Dry Bulb. °	Wind. Direc.	Force (0 to 12.)	Weather	THIS MORNING. (See note on last page.) Barometer. At 32° Fahr. and M.S.L. Ins.	Change since Yesterday. Ins.	Temperature. Dry Bulb. °	Wet Bulb. °	Change since Yesterday. °	Wind. Direc.	Force (0 to 12.)	Weather.	Sea (0 to 9.)	PAST 24 HOURS. Temp. Max. °	Min. °	Weather	Sunshine. Hours.	Rainfall. Ins.
SCANDINAVIA.	Haparanda ...	29.92	56	NE	2	o	29.91	-.02	59	50	+ 9	NE	2	b	*	61	48	–	*	–
	Hernösand ...	29.97	53	x	0	b	29.98	-.02	57	49	0	S	2	b	*	63	45	–	*	–
	Stockholm ...	29.93	61	E	2	b	29.96	+.05	62	57	- 4	E	2	b	*	75	54	–	*	0.08
	Wisby	29.91	63	NW	2	bc	29.98	-.01	58	55	- 4	N	2	bc	*	66	54	–	*	–
	Karlstad	29.96	60	SW	2	b	29.97	-.03	58	53	0	SW	2	b	*	*	*	–	*	–
	Færder (X'iania Fjord)	29.95	58	S	2	c	29.94	-.04	59	55	+ 1	ESE	2	o	2	61	57	–	*	–
	Bodö	29.95	53	x	0	b	29.93	-.04	51	49	0	N	1	b	1	55	46	–	*	–
	Christiansund ...	29.89	55	NNE	3	b	29.88	-.09	55	52	+ 2	NE	2	b	2	57	48	–	*	–
	Skudesnaes ...	29.87	59	S	4	o	29.82	-.14	57	55	+ 2	E	2	r	2	61	55	b,o	*	*
BRITISH ISLANDS.	Sumburgh Head	29.67	52	E	4	o	29.71	-.07	48	48	- 4	NE	2	f	4	56	44	o,f	*	0.15
	Stornoway ...	29.64	61	WSW	3	bc	29.62	-.08	53	52	- 3	SW	3	r	2	62	46	o,bc	7.9	0.28
	Malin Head ...	29.67	57	SE	2	cp	29.62	-.09	56	53	- 1	SSW	4	bc	4	64	52	b,cp	*	0.04
	Blacksod Pt. ...	29.65	60	SW	3	c	29.60	-.12	59	55	0	SW	5	bc	4	62	53	cpm,c	*	0.09
	Valencia	29.72	61	SSW	3	bcp	29.69	-.11	57	55	- 1	SSE	2	bc	3	63	49	cp,bcp	8.8	0.10
	Roche's Point ...	29.76	63	WSW	3	c	29.72	-.12	58	55	- 2	WSW	1	bw	1	65	48	bc,c	*	–
	Parsonstown ...	29.69	58	S	1	b	29.72	-.10	56	54	- 2	SW	1	b	*	68	47	b,p	8.4	0.09
	Donaghadee ...	29.73	57	S	1	cpt	29.68	-.08	57	55	- 1	WSW	2	b	2	62	50	cpt	*	0.40
	Liverpool Obsy.	29.78	65	WNW	1	b	29.74	-.06	61	57	+ 2	S	1	c	1	67	53	–	*	–
	Holyhead ...	29.77	59	SW	4	bcm	29.72	-.08	60	58	+ 3	SW	2	bcm	1	63	54	b,bcm	*	–
	Pembroke (St. Ann's)	29.82	59	SW	5	bc	29.72	-.13	57	56	- 2	SW	3	bcp	3	62	57	bc,p	10.1	0.09
	Scilly (St. Mary's)...	29.84	64	SW	3	c	29.73	-.18	61	59	- 1	W	1	cp	4	67	58	c	11.5	0.11
	Jersey (St. Aubins)...	29.93	63	SSW	3	orm	29.78	-.25	59	59	- 5	NNE	3	orm	3	67	58	ogrm	0.3	0.52
	Portland Bill ...	29.87	61	SW	4	c	29.79	-.18	59	57	0	W	2	cp	2	65	57	m,o	*	0.03
	Dungeness ...	29.93	62	WSW	4	cp	29.80	-.22	63	62	+ 1	WSW	2	bc	1	66	60	c,cp	0.5	0.13
	Wick	29.71	60	S	1	b	29.67	-.04	55	53	+ 1	S	2	bc	2	65	49	–	*	0.03
	Nairn	29.64	64	W	2	bc	29.65	-.04	53	52	- 2	Z	0	r	1	67	47	–	*	0.07
	Aberdeen ...	29.69	57	E	2	bv	29.69	-.04	56	53	+ 3	SSE	3	bc	1	65	44	o,bv,w	6.8	–
	Leith	29.68	65	WSW	2	bc	29.69	-.03	64	57	+ 3	WSW	2	bc	*	72	52	p,bc	*	0.18
	North Shields ...	29.72	68	WSW	3	b	29.74	-.02	58	55	- 1	SW	1	om	2	70	53	r,c,b	*	0.03
GERMANY, &c.	Spurn Head ...	29.79	67	W	3	bc	29.75	-.08	61	59	- 1	WNW	3	bc	2	73	58	–	*	–
	Yarmouth ...	29.82	69	SW	4	c	29.77	-.14	63	60	- 1	WSW	2	bc	2	71	56	c	*	0.01
	Nottingham ...														*					
	Oxford	29.83	62	SW	2	b	29.77	-.15	58	56	- 5	S	1	o	*	69	55	op,b	*	0.38
	London (Brixton)...	29.85	68	WSW	2	cv	29.78	-.16	64	64	- 1	SSW	1	o	*	73	57	odp,bc	4.1	–
	The Scaw (Skagen)	29.94	62	S	3	c	29.91	-.08	63	62	+ 6	SSE	2	m	0	70	57	–	*	–
	Fanö	29.93	61	S	1	r	29.90	-.11	62	62	+ 2	SSE	1	o	*	68	60	–	*	0.12
	Cuxhaven ...	29.97	63	SW	4	o	29.92	-.14	62	61	+ 5	S	2	om	*	68	57	or	*	0.08
	The Helder ...	29.88	64	SW	2	c	29.81	-.15	62	61	+ 3	S	1	r		66	57	–	*	0.04
	Brussels	*	*	*	*	*	29.85	-.22	62	61	+ 1	SW	1	o	*	72	59	–	*	0.59
	Berlin	30.02	66	Z	0	b	29.99	-.09	62	57	+ 4	Z	0	b	*	72	54	–	*	–
	Frankfürt ...	29.97	67	SW	1	o	29.88	-.24	65	59	+ 9	E	1	o	*	72	56	–	*	–
	Munich	30.11	61	NE	3	b	30.02	-.21	58	56	0	SE	4	c	*	70	52	–	*	–
FRANCE.	C. Gris Nez ...	29.93	63	SW	3	r	29.82	-.20	62	61	+ 1	S	2	o	1	70	59	–	*	0.08
	Brest	29.91	61	NW	1	o	29.78	-.24	58	57	- 3	SE	2	r	2	66	55	–	*	0.04
	Lorient	29.92	67	WSW	3	r	29.76	-.28	58	57	- 5	NE	4	r	2	70	57	–	*	0.47
	Rochefort ...	29.97	67	WNW	1	o	29.78	-.32	64	63	+ 1	SE	3	r	*	75	63	o	*	0.08
	Biarritz	29.98	70	W	3	o	29.79	-.32	65	64	+ 1	S	3	o	4	81	63	obr	*	0.39
	Paris	29.96	71	SW	2	o	29.84	-.28	64	61	+ 1	SE	1	c	*	74	60	–	*	–
	Belfort	29.96	68	ENE	3	c	29.88	-.29	61	56	+ 9	Z	0	m	*	74	52	–	*	–
	Lyons	29.98	73	N	1	bc	29.88	-.27	65	59	+ 2	S	2	b	*	78	57	–	*	–
	Nice	29.98	69	SW	2	bc	29.97	-.04	69	63	0	E	1	bc	2	81	61	–	*	–
	Perpignan ...	29.96	75	SE	2	b	29.83	-.28	70	66	+ 1	E	1	o	*	81	64	–	*	–
SPAN. PEN.	Corunna																		*	
	Lisbon														*				*	
	Azores (P. Delgada)	30.23	69	Z	0	c	30.17	-.11	69	66	0	WSW	4	c	3	73	66	–	*	0.08
	„ (Horta) ...	30.25	68	Z	0	b	30.17	-.12	70	69	+ 1	W	4	o	1	75	66	–	*	0.12

NOTE: *The Sunshine for London given in this Table is recorded on the Tower of the Wesleyan Training College, Westminster; the Sunshine entered to Dungeness is recorded at Littlestone-on-Sea.*

* *Observations for this column not generally received.*

† *Observations received too late for insertion in Charts on next page.*

WEATHER CHARTS

FOR Thursday 23rd July, 1903.

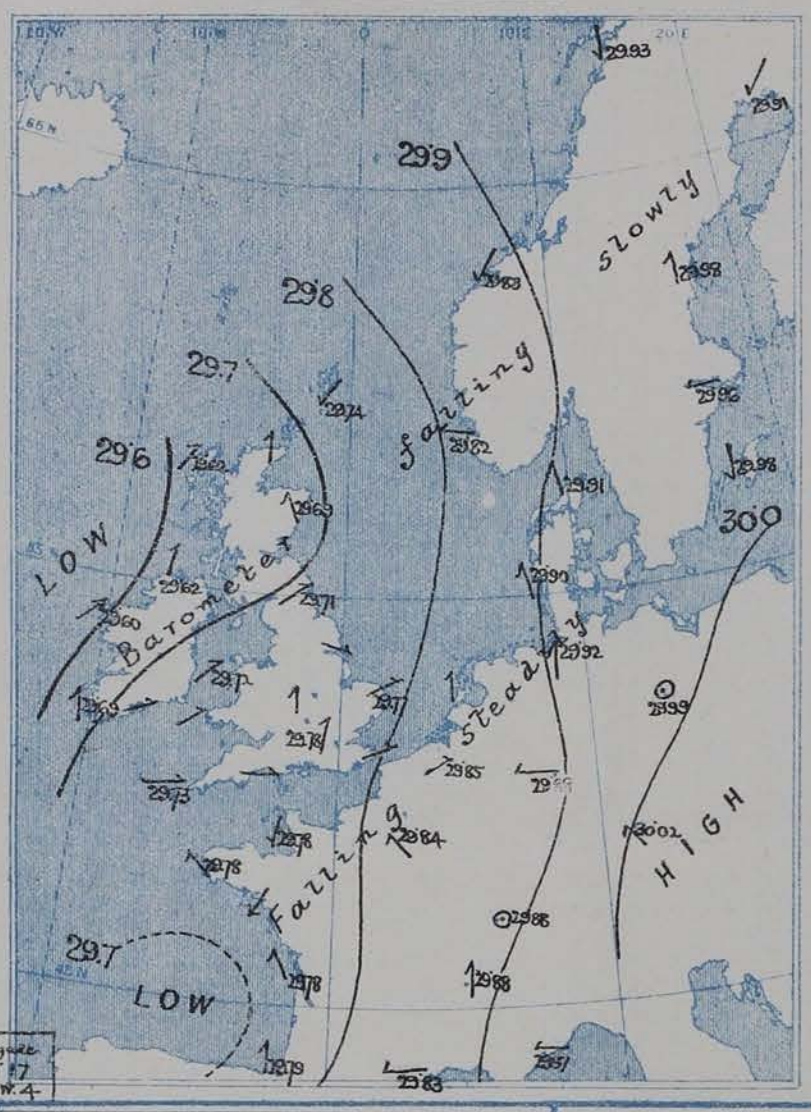
I. BAROMETER, WIND AND SEA. *This Morning.*

BAROMETER.—Isobars are drawn for each tenth of an inch.

WIND.—Arrows show Directions and Force, flying with the wind.

Force above 10 — *Force 8 to 10* — *Force 5 to 7* — *Force 1 to 4* — Calm

SEA—Rough — *High*



II. TEMPERATURE AND WEATHER. *This Morning.*

TEMPERATURE.—Isotherms are drawn for each 10°.

WEATHER.—Shown by Letters of the Beaufort Scale. *(See P. 4.)*

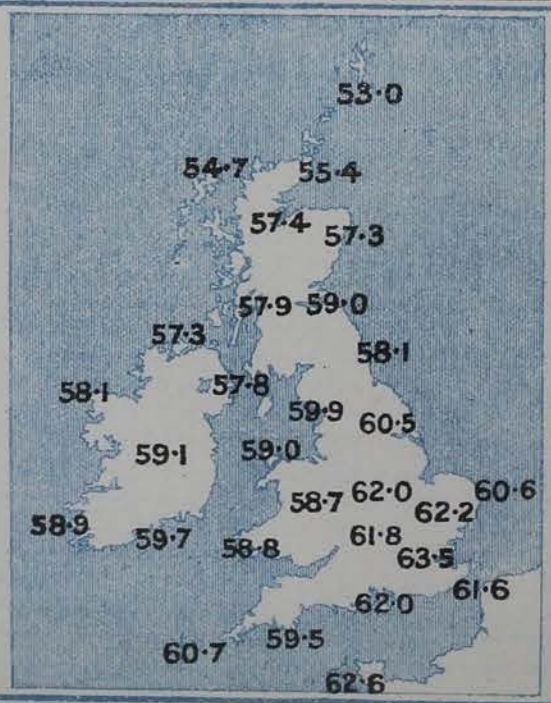
RAINFALL.—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0·6

III BAROMETER AND WIND

Yesterday morning.

IV. *Averages of* DAILY MAXIMUM *and* MINIMUM TEMERATURES

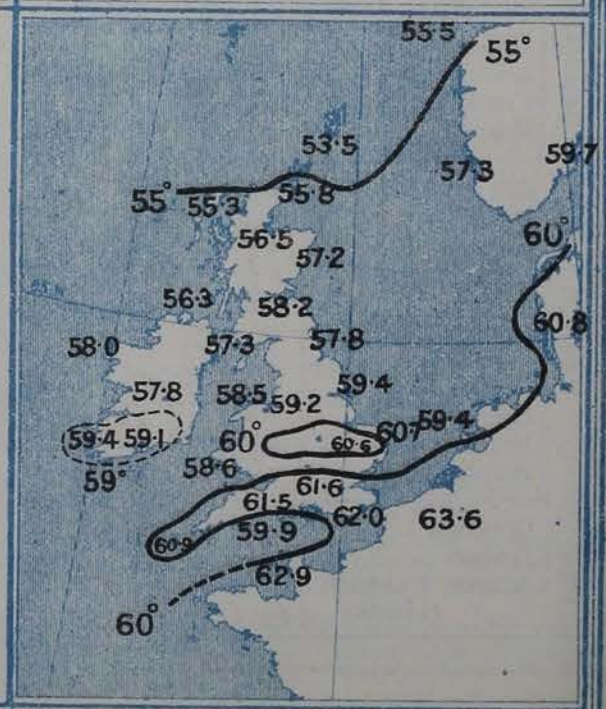
Combined for the month of JULY. *(1871-1900)*



V. *Means of* DAILY TEMPERATURE

at 8 A.M for the Two monthly period

JULY - AUGUST *(1871-1900)*



GENERAL SITUATION AT 8 A.M.

PRESSURE

The anticyclone noticed yesterday over the southern parts of our area is moving away to central Europe, the highest pressures, 30·2 ins. and upwards to 30·1 ins., being at present reported over France and Germany. The depression off our northwest coasts has in the meantime extended over the whole of the United Kingdom, and the barometer is now falling at all but the German and Baltic stations. The lowest pressures, 29·7 ins. and less are found off the northwest of Scotland, and also in a small secondary area over the central parts of that country. Gradients are moderate over the south of our islands, slight elsewhere.

WIND

The wind is light to moderate from the Southward or South Westward over Ireland, England and the neighbouring parts of the Continent, but draws into South East or East on the north east coasts of Scotland; over the north of Scandinavia it is Easterly or North Easterly. In the south of France the wind is still rather variable.

TEMPERATURE

Temperature has changed very little excepting in the eastern and central parts of England, where it has risen, the readings there (62° & 65°) being slightly above the average. At our western stations the readings differ but little from the normal, but in the north of Scotland and the west of Norway they are still below the average. Cool weather is also reported over Germany and Central France, the temperature being as low as 52° at Belfort and 56° at Frankfurt; at Paris the thermometer has risen and now stands at 65°.

WEATHER AND SEA

Rain is falling at many of the English stations, and also in adjacent parts of the Continent, and fog is reported on the north and east coasts of Scotland, as well as at Holyhead, Cape Gris Nez and Belfort. In other parts of Western Europe the weather is at present fair. The sea is rather rough (a ground swell) at Scilly, and moderate on many other parts of our western coasts, but slight elsewhere.

During yesterday the thermometer rose to between 65° and 70° in most parts of England and Ireland, to 72° at Spurn Head and to 78° in London, as well as at Paris; in the south of France it slightly exceeded 80°. The amount of Bright Sunshine was small generally, but large on our east and southeast coasts. Rain has fallen over the whole of the United Kingdom, — heavily at some of our western stations.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The changes in progress indicate a continuance of mild showery weather. The centre of low pressure off the northwest of Scotland is apparently passing away to the northward, but a new minimum is approaching the Irish coasts. There is also a tendency for the development of small secondary depressions over Great Britain.

FORECASTS*

For the 24 hours ending at NOON on 23RD JULY, 1903

DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	SE^ly winds, light or moderate; changeable, some showers. Milder.
1 SCOTLAND EAST	
2 ENGLAND N.E.	Same as No. 5.
3 ENGLAND EAST	
4 MIDLAND COUNTIES	
5 ENGLAND SOUTH	S^ly and SW^ly winds, moderate or fresh; mild, changeable, some showers, thunder locally.
6 SCOTLAND WEST	S^ly winds, light or moderate; changeable, some showers. Milder.
7 ENGLAND N.W.	SW^ly to S^ly winds, freshening; fair at first, some rain later.
8 ENGLAND S.W.	
9 IRELAND NORTH	S^ly winds, freshening; changeable, some rain.
10 IRELAND SOUTH	
WARNINGS	None issued.

Note.—The **South Cone**, *point downwards* (▼), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the *North* Cone is hoisted in preference to the *South* Cone.

The **North Cone**, *point upwards* (▲), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the *South* Cone is hoisted in preference to the *North* Cone.

* *For terms for transmission of Forecasts by Telegraph, see next page.*

ADDITIONAL OBSERVATIONS made at Stations in the UNITED KINGDOM.

TELEGRAPHIC REPORTS TO-DAY.	Yesterday 6 p.m.					This Morning 8 a.m.									Past 24 Hours.				
	Bar. Ins.	Temp. °	Wind Direc^n	Wind Force	Weather.	Barometer. Ins.	Barometer. Change	Temperature Dry.	Temperature Wet.	Temperature Change	Wind Direc^n	Wind Force	Weather.	Sea.	Temperature Max.	Temperature Min.	Weather	Sunshine. Hrs.	Rainfall Ins.
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	*	*	c	*	64	59	b,c	10.4	0.01
Bath	30.03	64	w	3	0	29.90	-.22	62	60	+1	sw	4	r	*	67	61	–	3.0	0.27

REPORTS FOR YESTERDAY.

STATIONS.	Temperture F. Max.	Temperture F. Min.	Weather.	Sunshine. Hrs.	Rainfall. Ins.	STATIONS.	Temperature F. Max.	Temperature F. Min.	Weather.	Sunshine. Hrs.	Rainfall. Ins.
Southport, to 9 p.m.... ...	65	51	c, o, or	0.9	0.07	Broadstairs...	*	*	*	11.8	*
Rhyl, to 6 p.m.	*	*	*	1.5	*	Margate	*	*	*	10.7	*
Llandudno	*	*	*	0.9	*	Lowestoft, to 6 p.m. ...	64	44	bc, c	9.9	–
Aberystwyth, to 6 p.m. ...	69	59	o	0.0	0.25	Scarborough	*	*	*	2.8	*
Plymouth, to 9 p.m.... ...	65	55	od, odg	1.3	0.07	Harrogate, to 6 p.m. ...	67	50	c, o	4.0	0.02
Worthing	*	*	*	5.9	*	Manchester, to 9 p.m. ...	67	51	bc, or, o	2.2	0.08
Brighton	*	*	*	6.6	*	Darwen, to 9 p.m.	65	50	bco, omd, or	1.5	0.04
Eastbourne, to 6 p.m. ...	*	*	*	8.2	*	Birmingham, to 9 p.m. ...	66	54	c, r	2.6	0.12

TEMPERATURE, WEATHER, and RAINFALL at additional FOREIGN STATIONS, mainly for the 24 hours ended at 8 a.m. yesterday.

STATIONS. 21st July 1903.	Temperature, F. Max.	Temperature, F. Min.	Weather.	Rain. Ins.	STATIONS. 20th July, 1903	Temperature, F. Dry. 1 p.m.	Temperature, F. Wet.	Weather. 1 p.m.	Rain. Ins. Measured 7 a.m.
Marseilles	81	63	bc, b	—	Geneva	68	*	c	0.47
Utrecht...	70	50	o, o	—	Berne	64	*	o	0.39
Copenhagen	70	59	o, o	?	Lucerne	64	*	o	0.43
Prague	75	61	o, o	0.24	Coire	55	*	r	0.67
Vienna	81	61	bc, r	—	Castasegna	54	*	zzr	1.18
Buda-Pesth	93	61	bc, o	0.24	Lugano	59	*	zzr	0.20
St. Petersburg	63	57	o, o	0.04					
Rome	88	69	o, o	—					
Malta	91	58	?, b	—					
Madeira (Funchal) Not rec^d.									

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

TABLE SHOWING THE LOCAL STANDARD TIMES AND THE CORRESPONDING GREENWICH TIMES OF THE OBSERVATIONS RECORDED ON PAGE 1.

COUNTRIES, &c.	Hours of Morning Observations by Local Standard Time.	Corresponding Greenwich Times.	Hours of Evening Observations by Local Standard.	Corresponding Greenwich Times.
British Isles, Belgium† ...	8 a.m. (West European)	8 a.m.	6 p.m. (W.E.T.)	6 p.m.
Holland	8 a.m. („ „)	8 a.m.	7 p.m. (W.E.T.)	7 p.m.
Germany, Denmark, Norway, Sweden	8 a.m. (Mid-European)	7 a.m.	8 p.m. (M.E.T.)	7 p.m.
France	7 a.m. (Paris)	6.51 a.m.	6 p.m. (Paris)	5.51 p.m.
Spain	8 a.m. (West European)	8 a.m.	6 p.m. (W.E.T.)	6 p.m.
Portugal	8 a.m. (Lisbon)	8.36 a.m.	3.23 p.m. (Lisbon)	4 p.m.
Azores { Ponta Delgada	6 a.m. (Local)	7.43 a.m.	9 p.m. (Local)	10.43 p.m.
Azores { Horta	6 a.m. (Local)	7.55 a.m.	9 p.m. (Local)	10.55 p.m.

TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON, AND SUNSET, FOR STATIONS IN THE UNITED KINGDOM, TO-DAY.

22nd July 1903.	Sunrise G.M.T.	Noon G.M.T.	Sunset G.M.T.
Yarmouth	3.58	11.59	8.0
Greenwich	4.10	12.6	8.2
Wick	3.43	12.18	8.53
Valencia	4.48	12.47	8.46

SUBSCRIPTIONS both for the Daily *and* Weekly Weather Reports *may be paid, in advance, to the* Meteorological Office.

TERMS: For Daily Weather Report, forwarded by Book Post, £1 0 0 per annum.
„ Weekly „ „ „ £1 10 0 „ Single Copies, 6d.

Single Copies of the Daily Weather Report (price 1d.) may be obtained after 3 p.m. on the day of issue at the Meteorological Office, and at Messrs. W. H. SMITH & SONS' Bookstalls at the following terminus Railway Stations:—Victoria, Charing Cross, King's Cross, St. Pancras, Euston.

FORECASTS OF WEATHER for one day in advance are drawn up at the Meteorological Office at 11 a.m., and between 7 and 8 p.m. The latest forecast can be had by Reply Telegram, on paying at any Post Office in the United Kingdom **Sixpence in addition to the cost of the inquiry and reply Telegrams.** Information as to the Terms on which Forecasts can be sent daily, for a long or short period, may be obtained on application to the Meteorological Office, 63, Victoria Street, S.W., either personally or by post.

† The evening observations in Belgium are not given on page 1.

‡ At Oxford the observations are taken at 8 p.m.

DAILY WEATHER REPORT

for 8 a.m. on Friday, 24th July, 1903.

Issued by the METEOROLOGICAL OFFICE, 63, Victoria Street, London. W. N. SHAW, *Secretary.*

	STATIONS.	YESTERDAY EVENING. (See note on last page.) Barom. At 32° and M.S.L. Ins.	Temp. Dry Bulb. °	Wind. Direc.	Force (0 to 12.)	Weather	THIS MORNING. (See note on last page.) Barometer. At 32° Fahr. and M.S.L. Ins.	Change since Yesterday. Ins.	Temperature. Dry Bulb. °	Wet Bulb. °	Change since Yesterday. °	Wind. Direc.	Force (0 to 12.)	Weather.	Sea (0 to 9.)	PAST 24 HOURS. Temp. Max. °	Min. °	Weather	Sunshine. Hours.	Rainfall. Ins.
SCANDINAVIA.	Haparanda ...	29.94	57	W	2	bc	29.99	+.08	59	53	0	S	2	c	*	70	46	–	*	–
	Hernösand ...	29.98	57	Z	0	b	30.02	+.04	55	52	– 2	S	2	f	*	?63	43	–	*	–
	Stockholm ...	29.99	60	Z	0	b	30.01	+.05	66	59	+ 4	Z	0	b	*	72	52	–	*	–
	Wisby	29.96	57	Z	0	b	30.02	+.04	60	57	+ 2	N	2	b	*	66	55	–	*	–
	Karlstad	29.96	63	Z	0	b	30.00	+.03	61	57	+ 3	WSW	2	b	*	*	*	–	*	–
	Færder (X'iania Fjord)	29.95	61	ESE	1	0	29.98	+.04	62	59	+ 3	NE	1	m	1	63	59	–	*	–
	Bodö	29.91	55	N	2	b	29.99	+.06	53	51	+ 2	Z	0	bc	1	55	46	–	*	–
	Christiansund ...	29.88	54	NNE	2	c	29.94	+.06	57	55	+ 2	SW	1	m	1	59	50	–	*	–
	Skudesnaes ...	29.87	59	W	2	0	29.85	+.03	62	60	+ 5	E	2	0	1	62	57	0	*	*
BRITISH ISLANDS.	Sumburgh Head	29.72	51	NE	2	f	29.77	+.06	52	52	+ 4	NE	2	f	3	53	43	0, f	*	0.01
	Stornoway ...	29.64	61	SW	4	c	29.73	+.11	56	54	+ 3	Z	0	0	0	62	50	0, c	9.0	0.03
	Malin Head ...	29.65	56	N	1	op	29.73	+.11	58	55	+ 2	SSW	3	b	2	66	52	b, op	*	0.25
	Blacksod Pt. ...	29.67	59	SW	4	cp	29.72	+.12	59	56	0	SSW	5	cp	4	62	54	bc, cp	*	0.07
	Valencia	29.75	60	SW	4	c	29.82	+.13	57	55	0	SSW	3	cp	4	62	52	cp, c	9.8	0.08
	Roche's Point ...	29.75	59	NW	1	c	29.86	+.14	58	54	0	WSW	2	c	1	65	50	ct, c	*	0.21
	Parsonstown ...	29.71	60	Z	0	bc	29.84	+.12	57	53	+ 1	SE	1	b	*	67	48	–	7.5	–
	Donaghadee ...	29.70	56	WSW	1	cp	29.77	+.09	57	56	0	WNW	1	b	2	63	48	cp	*	0.02
	Liverpool Obsy.	29.70	58	WNW	1	0	29.78	+.04	57	55	– 4	WNW	4	bc	3	67	53	op	*	0.22
	Holyhead ...	29.72	60	SW	1	bc	29.81	+.09	61	58	+ 1	W	2	b	1	66	53	bc	*	–
	Pembroke (St. Ann's)	29.74	61	W	3	bc	29.84	+.12	59	56	+ 2	WNW	4	bc	3	62	55	–	10.1	0.01
	Scilly (St. Mary's)...	29.77	61	W	4	c	29.90	+.17	60	57	– 1	WNW	3	bcp	3	66	57	bc	10.2	0.09
	Jersey (St. Aubins)...	29.77	58	WNW	3	og	29.93	+.15	60	57	+ 1	W	4	bcp	3	60	56	orm, og	0.8	0.36
	Portland Bill ...	29.71	57	WNW	3	r	29.87	+.08	59	55	0	NW	5	b	4	62	56	r	*	0.06
	Dungeness ...	29.67	63	ENE	5	c	29.76	–.04	58	57	– 5	NW	4	r	3	69	55	bc, c, r	3.6	0.62
	Wick	29.69	59	S	2	bc	29.75	+.08	54	52	– 1	S	2	f	1	64	49	–	*	–
	Nairn	29.65	63	E	2	c	29.73	+.08	55	53	+ 2	Z	0	b	1	65	45	cp	*	0.35
	Aberdeen ...	29.72	60	SE	1	b	29.73	+.04	54	53	– 2	NNE	1	om	1	64	49	b, b	10.4	–
	Leith	29.67	65	Z	0	c	29.74	+.05	58	54	– 6	WNW	2	b	*	69	52	cp	*	0.03
	North Shields ...	29.70	61	S	1	c	29.72	–.02	57	55	– 1	W	1	om	2	66	55	c, r	*	0.02
	Spurn Head ...	29.71	64	E	3	c	29.71	–.04	56	56	– 5	NW	3	r	2	68	55	c, r	*	0.61
	Yarmouth ...	29.71	65	ESE	2	bc	29.62	–.15	56	55	– 7	NNW	5	od	4	65	54	b, bc	*	0.35
	Nottingham ...														*					
	Oxford	29.72	57	W	1	r	29.80	+.03	56	54	– 2	W	3	o	*	67	53	er	*	0.56
	London (Brixton)...	29.67	64	NNW	2	ogr	29.79	+.01	59	58	– 5	NW	1	o	*	73	54	op, or	0.9	1.53
GERMANY, &c.	The Scaw (Skagen)	29.91	63	SE	1	m	29.93	+.02	64	64	+ 1	SSE	1	m	0	68	61	–	*	–
	Fanö	29.84	64	E	4	o	29.79	–.11	66	62	+ 4	ESE	6	b	*	73	61	–	*	0.08
	Cuxhaven ...	29.82	68	E	1	o	29.74	–.18	64	58	+ 2	SE	4	b	*	72	61	op	*	0.32
	The Helder ...	29.70	65	NE	1	o	?29.61	–.20	65	64	+ 3	?S	1	o	0	?68	63	–	*	0.24
	Brussels	*	*	*	*	*	29.71	–.14	58	55	– 4	SW	6	o	*	78	57	–	*	0.12
	Berlin	29.89	70	ESE	1	b	29.86	–.13	66	60	+ 4	ESE	2	b	*	79	57	–	*	–
	Frankfürt ...	29.69	70	E	1	o	29.75	–.13	63	61	– 2	S	2	r	*	81	63	–	*	1.02
	Munich	29.86	64	SE	2	bc	29.89	–.18	57	57	– 1	W	5	r	*	73	57	–	*	0.12
FRANCE. †	C. Gris Nez ...	29.66	63	E	3	r	?		57	56	– 6	W	6	r	6	72	55	–	*	1.73
	Brest	29.83	64	NW	2	bc	29.97	+.19	59	55	+ 1	NW	2	c	3	70	57	–	*	0.04
	Lorient	29.81	63	WNW	4	b	29.98	+.22	60	57	+ 2	NW	4	o	3	64	58	–	*	*.20
	Rochefort ...	29.84	65	WNW	5	c	30.03	+.25	63	59	– 1	NW	4	c	*	70	57	o, c	*	0.43
	Biarritz	30.01	66	W	4	o	30.12	+.33	64	60	– 1	WSW	4	o	3	66	57	–	*	0.24
	Paris	29.65	65	SW	2	b	29.90	+.06	59	55	– 5	WNW	3	bc	*	75	55	–	*	0.43
	Belfort	29.77	63	Z	0	r	29.91	+.03	53	52	– 8	W	6	o	*	80	52	–	*	1.02
	Lyons	29.86	61	S	1	r	30.07	+.19	59	51	– 6	WNW	1	c	*	79	55	–	*	0.28
	Nice	29.91	66	Z	0	o	29.84	–.13	66	57	– 3	Z	0	b	0	77	59	–	*	0.08
	Perpignan ...	29.85	70	NW	6	b	30.01	+.18	66	57	– 4	NW	4	b	*	81	64	–	*	–
SPAN. PEN.	Corunna																		*	
	Lisbon	30.15	64	NNW	5	b	30.16	+.10	66	59	– 1	N	4	b	*	75	61	–	*	–
	Azores (P. Delgada)	30.18	70	Z	0	b	30.17	.00	70	67	+ 1	WNW	4	bc	3	73	68	–	*	–
	,, (Horta) ...	30.23	70	Z	0	b	30.19	+.02	71	68	+ 1	WSW	2	c	2	79	68	–	*	0.04

NOTE: *The Sunshine for London given in this Table is recorded on the Tower of the Wesleyan Training College, Westminster; the Sunshine entered to Dungeness is recorded at Littlestone-on-Sea*

* *Observations for this column not generally received.*

† *Observations received too late for insertion in Charts on next page.*

WEATHER CHARTS

FOR FRIDAY, 24TH JULY, 1903.

I. BAROMETER, WIND AND SEA. *This Morning.*

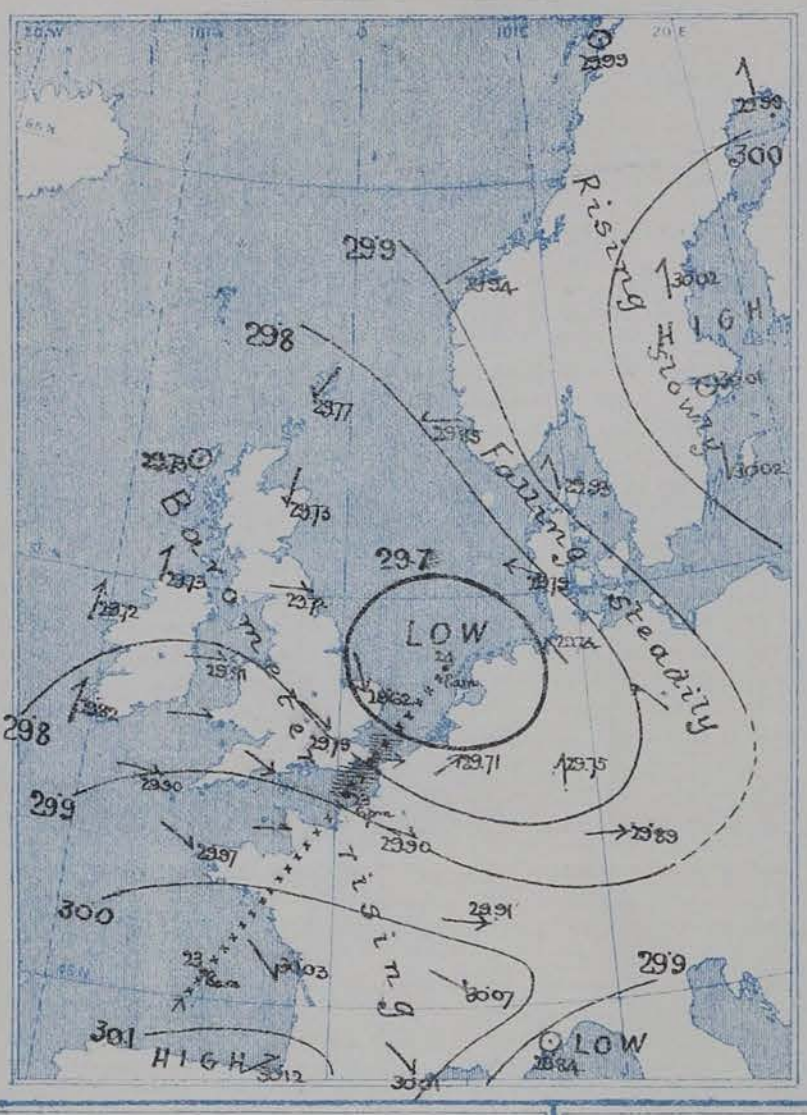
BAROMETER.—Isobars are drawn for each tenth of an inch.

WIND.—Arrows show Directions and Force, flying with the wind.

Force above 10 ——→ ; *Force 5 to 7* ——→ } Calm ⊙

Force 8 to 10 ——→ ; *Force 1 to 4* ——→

SEA.—Rough ▒ *High* ▓

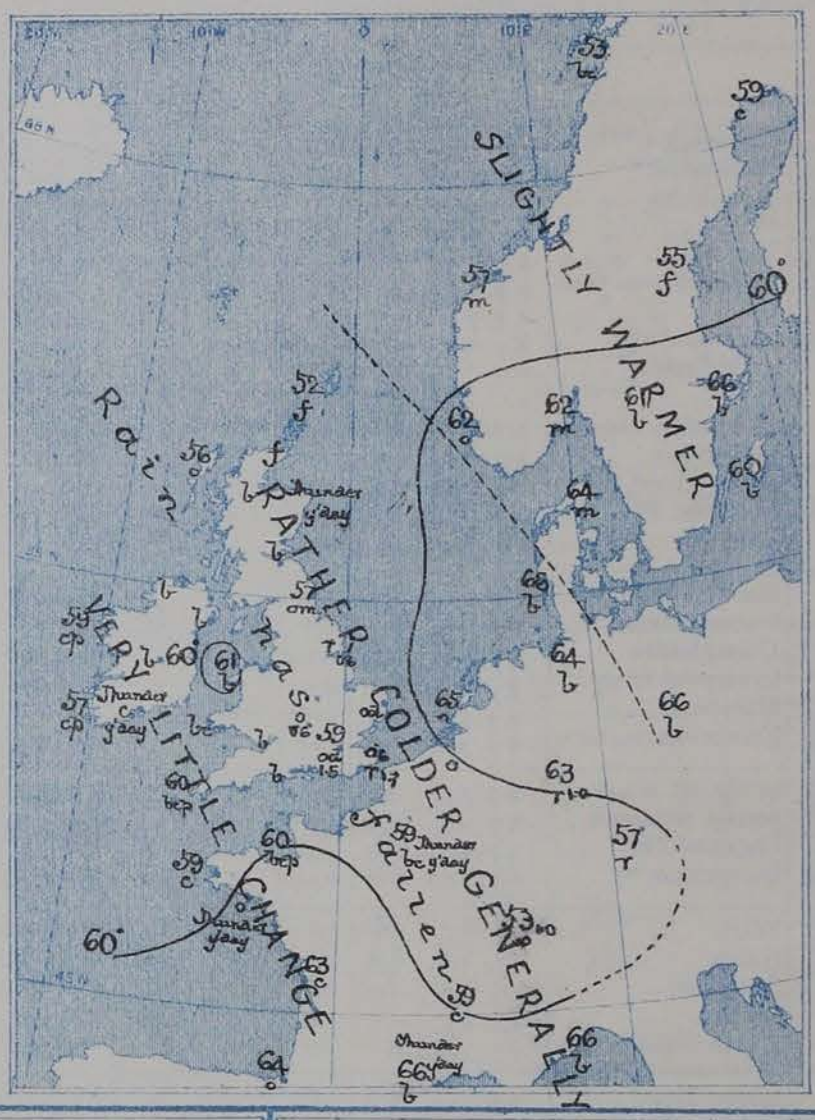


II. TEMPERATURE AND WEATHER. *This Morning.*

TEMPERATURE.—Isotherms are drawn for each 10°.

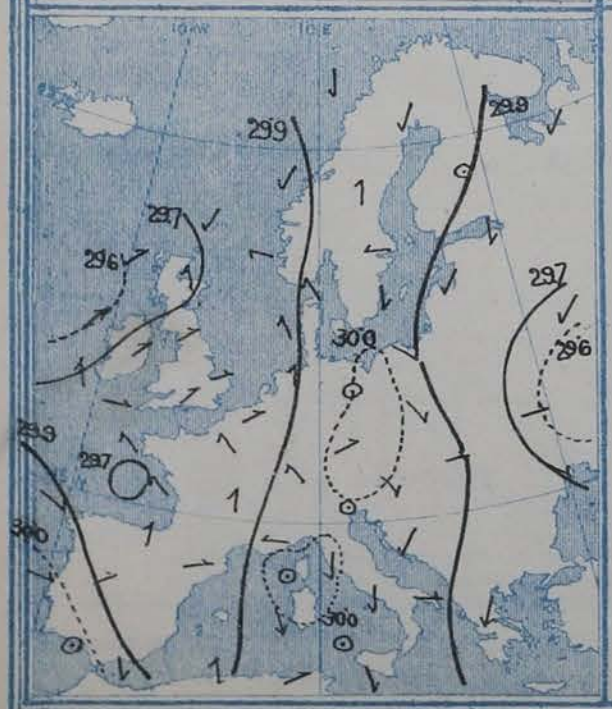
WEATHER.—Shown by Letters of the Beaufort Scale. *(See P. 4.)*

RAINFALL.—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0·6



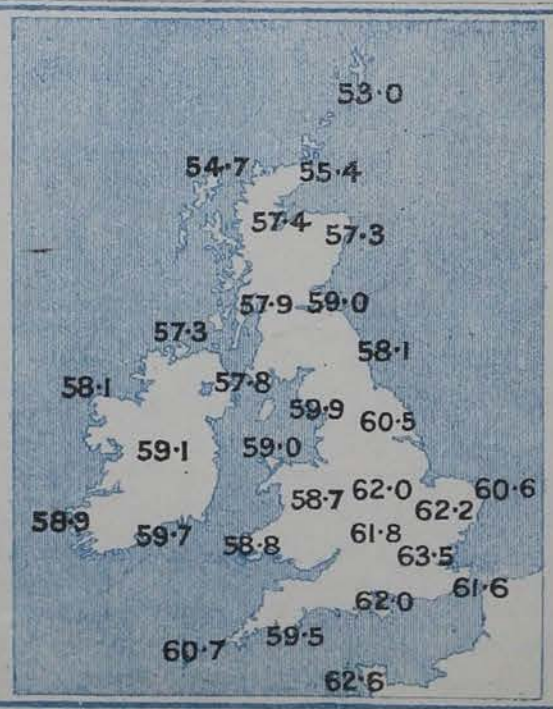
III. BAROMETER AND WIND

Yesterday morning.



IV. *Averages of* DAILY MAXIMUM *and* MINIMUM TEMERATURES

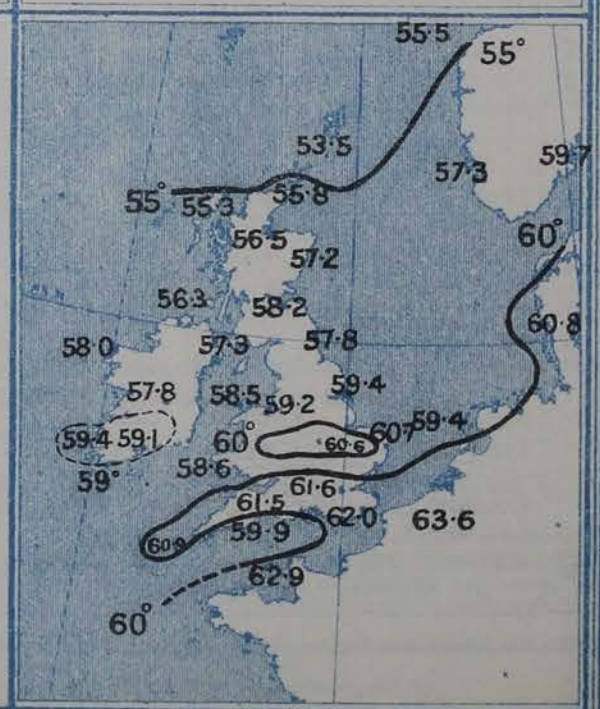
Combined for the month of JULY. *(1871-1900)*



V. *Means of* DAILY TEMPERATURE

at 8 A.M for the Two monthly period

JULY - AUGUST *(1871-1900)*



GENERAL SITUATION AT 8 A.M.

PRESSURE

The barometer continues to fall in nearly all parts of Western Europe, and the distribution of pressure is becoming somewhat irregular. The highest readings, 30·0 ins. and upwards to 29·9 ins., are reported over Sweden, Denmark, Germany and the southeast of France; while the lowest, 29·6 ins. and less, are found in a cyclonic area lying off our own extreme western coasts. Another depression is, however, forming over the Bay of Biscay, and at the French stations the barometric fall is now very decided.

WIND

Light breezes from the Southward or South Westward are reported over the greater part of the United Kingdom, but in the south and east of England the wind is Westerly; in Denmark it draws into South, while in Norway it is chiefly Easterly. Over France and Southern Germany it is light to moderate from the Eastward or South Eastward.

TEMPERATURE

Temperature has changed very little in these islands. Over England and the neighbouring parts of Scotland the readings are above the average, the thermometer being slightly above 60° in most places, and as high as 64° in London and at Leith. In Ireland and the west and north of Scotland the readings differ but little from the normal, but at Lumbergh Head, where dense fog prevails, the thermometer is as low as 48°, or 6° below the average. Over Denmark, Germany and Central France a rise of temperature has occurred, the readings now being above 60°; in the South of France they range between 65° and 70°.

WEATHER AND SEA

The weather is at present fair over the greater part of the United Kingdom, but rain is falling in the north of Scotland, and showers at some of the Channel stations. In the western parts of the Continent the sky is overcast, and in the west of France the disturbance over the Bay of Biscay is causing heavy rain; at most of the Scandinavian stations the weather is fine. The sea is slight or smooth on nearly all coasts.

During yesterday the thermometer rose to 70° or slightly above it at most of our eastern and southeastern stations, the highest reading reported being 73° in London and at Spurn Head. The amount of Bright Sunshine was small in the south and east but larger in the west; at Scilly it was as much as 11·5 hours. Rain has fallen in most parts of Western Europe,—heavily in places. A thunderstorm has occurred at Biarritz, and thunder has been heard at Donaghadee.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The shallow disturbance over the Bay of Biscay will probably move slowly in a northeasterly direction, and will occasion dull rainy weather in our own southern districts. In the west and north the conditions are likely to be finer, but the cyclonic area off our western coasts will probably pass northwards, and cause showers in many places.

FORECASTS*

For the 24 hours ending at NOON on 24TH JULY, 1903

DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	S^ly winds, light; some rain at first, then fair.
1 SCOTLAND EAST	SW^ly to SE^ly winds, light; fair generally.
2 ENGLAND N.E.	
3 ENGLAND EAST	Wind shifting to the E^ward, and weather becoming dull, rainy and cooler.
4 MIDLAND COUNTIES	
5 ENGLAND SOUTH	
6 SCOTLAND WEST	S^ly winds, light or moderate; fair generally, but local showers.
7 ENGLAND N.W.	
8 ENGLAND S.W.	Wind shifting to E or NE; dull, unsettled, some rain.
9 IRELAND NORTH	Same as Nos. 6 and 7.
10 IRELAND SOUTH	SE^ly to E^ly winds, light; fair generally, but local showers.
WARNINGS	GENERAL:- Thunder is not improbable at some of our southern stations.

Note.—The **South Cone**, *point downwards* ( ), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the *North* Cone is hoisted in preference to the *South* Cone.

The **North Cone**, *point upwards* ( ), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the *South* Cone is hoisted in preference to the *North* Cone.

* *For terms for transmission of Forecasts by Telegraph, see next page*

ADDITIONAL OBSERVATIONS made at Stations in the UNITED KINGDOM.

TELEGRAPHIC REPORTS TO-DAY.	Yesterday 6 p.m.					This Morning 8 a.m.									Past 24 Hours.				
	Bar. Ins	Temp. °	Wind Direc^n	Wind Force	Weather.	Barometer. Ins.	Barometer. Change	Temperature Dry.	Temperature Wet.	Temperature Change	Wind Direc^n	Wind Force	Weather.	Sea.	Temperature Max.	Temperature Min.	Weather	Sunshine. Hrs.	Rainfall Ins.
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	*	*	c	*	69	59	o,b	6.4	0.02
Bath	29.82	66	w	1	b	29.76	-.14	61	58	-1	w	1	b	*	69	53	–	6.5	0.45

REPORTS FOR YESTERDAY.

STATIONS.	Temperture F. Max.	Temperture F. Min.	Weather.	Sunshine. Hrs.	Rainfall. Ins.	STATIONS.	Temperature F. Max.	Temperature F. Min.	Weather.	Sunshine. Hrs.	Rainfall. Ins.
Southport, to 9 p.m.... ...	66	58	or, b, o	9.1	0.25	Broadstairs...	*	*	*	2.8	*
Rhyl, to 6 p.m.	*	*	*	7.8	*	Margate	*	*	*	2.7	*
Llandudno...	*	*	*	10.3	*	Lowestoft, to 6 p.m. ...	72	58	or, op, c	5.8	0.46
Aberystwyth, to 6 p.m. ...	66	59	bc	9.0	0.64	Scarborough	*	*	*	6.3	*
Plymouth, to 9 p.m.... ...	68	59	or, bc	8.1	0.61	Harrogate, to 6 p.m. ...	68	58	or, bc	7.5	0.51
Worthing	*	*	*	1.7	*	Manchester, to 9 p.m. ...	69	59	r, c, bc	6.0	0.60
Brighton	*	*	*	1.0	*	Darwen, to 9 p.m.	66	55	r, oc, b	6.0	0.87
Eastbourne, to 6 p.m. ...	*	*	*	1.2	*	Birmingham, to 9 p.m. ...	71	58	b, c, b	5.3	0.12
Hastings	*	*	*	0.4	*						

TEMPERATURE, WEATHER, and RAINFALL at additional FOREIGN STATIONS, mainly for the 24 hours ended at 8 a.m. yesterday.

STATIONS. 22nd July 1903.	Temperature, F. Max.	Temperature, F. Min.	Weather.	Rain. Ins.	STATIONS. 21st July 1903	Temperature, F. Dry 1 p.m.	Temperature, F. Wet.	Weather. 1 p.m.	Rain. Ins. Measured 7 a.m.
Marseilles	81	59	b, b	—	Geneva	63	*	c	0.08
Utrecht...	68	52	b, r	0.04	Berne	61	*	c	0.47
Copenhagen	63	55	o, o	—	Lucerne	63	*	r	0.24
Prague	72	59	o, o	0.04	Coire	64	*	o	0.24
Vienna	66	59	c, o	0.20	Castasegna	73	*	c	0.39
Buda-Pesth	79	61	o, c	0.59	Lugano	79	*	b	1.78
St. Petersburg	59	50	b, r	—					
Rome	81	64	b, b	0.35					
Malta	83	69	?, b	—					
Madeira (Funchal) Not rec^d									

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

TABLE SHOWING THE LOCAL STANDARD TIMES AND THE CORRESPONDING GREENWICH TIMES OF THE OBSERVATIONS RECORDED ON PAGE 1.

COUNTRIES, &c.	Hours of Morning Observations by Local Standard Time.	Corresponding Greenwich Times.	Hours of Evening Observations by Local Standard.	Corresponding Greenwich Times.
British Isles, Belgium† ...	8 a.m. (West European)	8 a.m.	6 p.m. (W.E.T.)	6 p.m.
Holland	8 a.m. (" ")	8 a.m.	7 p.m. (W.E.T.)	7 p.m.
Germany, Denmark, Norway, Sweden	8 a.m. (Mid-European)	7 a.m.	8 p.m. (M.E.T.)	7 p.m.
France	7 a.m. (Paris)	6.51 a.m.	6 p.m. (Paris)	5.51 p.m.
Spain	8 a.m. (West European)	8 a.m.	6 p.m. (W.E.T.)	6 p.m.
Portugal	8 a.m. (Lisbon)	8.36 a.m.	3.23 p.m. (Lisbon)	4 p.m.
Azores { Ponta Delgada	6 a.m. (Local)	7.43 a.m.	9 p.m. (Local)	10.43 p.m.
Azores { Horta	6 a.m. (Local)	7.55 a.m.	9 p.m. (Local)	10.55 p.m.

TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON, AND SUNSET, FOR STATIONS IN THE UNITED KINGDOM, TO-DAY.

23rd July, 1903.	Sunrise G.M.T.	Noon G.M.T.	Sunset G.M.T.
Yarmouth	4.0	11.59	7.58
Greenwich	4.12	12.6	8.0
Wick	3.45	12.18	8.51
Valencia	4.50	12.47	8.44

SUBSCRIPTIONS both for the Daily *and* Weekly Weather Reports *may be paid, in advance, to the* Meteorological Office.

TERMS: For Daily Weather Report, forwarded by Book Post, £1 0 0 per annum.
" Weekly " " " £1 10 0 " Single Copies, 6d.

Single Copies of the Daily Weather Report (price 1d.) may be obtained after 3 p.m. on the day of issue at the Meteorological Office, and at Messrs. W. H. SMITH & SONS' Bookstalls at the following terminus Railway Stations:—Victoria, Charing Cross, King's Cross, St. Pancras, Euston.

FORECASTS OF WEATHER for one day in advance are drawn up at the Meteorological Office at 11 a.m., and between 7 and 8 p.m. The latest forecast can be had by Reply Telegram, on paying at any Post Office in the United Kingdom **Sixpence in addition to the cost of the inquiry and reply Telegrams.** Information as to the Terms on which Forecasts can be sent daily, for a long or short period, may be obtained on application to the Meteorological Office, 63, Victoria Street, S.W., either personally or by post.

† The evening observations in Belgium are not given on page 1.

‡ At Oxford the observations are taken at 8 p.m.

DAILY WEATHER REPORT

for 8 a.m. on Saturday, 25th July, 1903.

Issued by the METEOROLOGICAL OFFICE, 63, Victoria Street, London. W. N. SHAW, *Secretary.*

	STATIONS.	YESTERDAY EVENING. (See note on last page.) Barom. At 32° and M.S.L. Ins.	Temp. Dry Bulb. °	Wind. Direc.	Wind. Force (0 to 12.)	Weather	THIS MORNING. (See note on last page.) Barometer. At 32° At 32° Fahr. and M. S. L. Ins.	Change since Yesterday. Ins.	Temperature. Dry Bulb. °	Wet Bulb. °	Change since Yesterday. °	Wind. Direc.	Wind. Force (0 to 12.)	Weather.	Sea (0 to 9.)	PAST 24 HOURS. Temp. Max. °	Temp. Min. °	Weather	Sunshine. Hours.	Rainfall. Ins.
SCANDINAVIA.	Haparanda ...	29.99	57	S	2	bc	29.95	-.04	57	53	-2	SSW	2	bc	*	64	48	–	*	–
	Hernösand ...	30.03	59	SW	2	b	30.01	-.01	63	57	+8	Z	0	b	*	66	45	–	*	–
	Stockholm ...	30.01	64	Z	0	b	29.97	-.04	68	57	+2	N	2	b	*	72	54	–	*	–
	Wisby	29.96	59	N	2	b	29.93	-.09	62	57	+2	NNE	2	b	*	64	54	–	*	–
	Karlstad	29.99	66	Z	0	b	30.03	+.03	63	59	+2	SW	2	b	*	*	*	–	*	–
	Færder (X'iania Fjord)	29.98	68	WSW	1	b	30.02	+.04	63	60	+1	NNE	2	m	1	68	61	–	*	–
	Bodö	30.06	52	W	2	b	30.10	+.11	53	48	0	E	2	bc	1	54	46	–	*	–
	Christiansund ...	29.94	61	NE	2	b	29.97	+.03	64	60	+7	SW	1	b	2	64	55	–	*	–
	Skudesnaes ...	29.88	66	SE	4	m	29.96	+.11	63	59	+1	SE	4	c	3	66	61	m	*	*
BRITISH ISLANDS.	Sumburgh Head	29.69	53	NNE	2	r	29.92	+.15	50	50	-2	W	1	r	3	55	49	r	*	0.43
	Stornoway ...	29.76	62	N	2	c	29.88	+.15	55	54	-1	SSW	2	o	2	65	43	c	8.7	–
	Malin Head ...	29.80	59	W	2	b	29.78	+.05	58	56	0	SE	5	b	3	64	52	b	*	0.06
	Blacksod Pt. ...	29.80	63	SW	4	b	29.66	-.06	58	55	-1	ESE	5	cp	5	63	55	b	*	0.01
	Valencia	29.85	64	SSE	3	c	29.48	-.34	61	59	+4	ESE	6	rm	5	65	56	c	8.7	0.14
	Roche's Point ...	29.89	62	SSW	2	bc	29.64	-.22	58	57	0	SSE	7	r	5	65	56	c, bc	*	0.19
	Parsonstown ...	29.84	66	W	1	bc	29.71	-.13	58	56	+1	E	6	og	*	67	52	p, bc, r	9.7	0.38
	Donaghadee ...	29.85	60	WSW	3	p	29.89	+.12	57	56	0	S	3	o	2	62	50	–	*	0.09
	Liverpool Obsy.	29.89	62	WNW	3	b	29.94	+.16	60	56	+3	SE	2	b	2	63	51	–	*	–
	Holyhead ...	29.90	58	SW	3	c	29.90	+.09	60	57	-1	SE	3	c	2	64	55	b, c	*	–
	Pembroke (St. Ann's)	29.95	59	WSW	4	bc	29.85	+.01	57	56	-2	SE	6	o	5	62	57	–	13.1	0.01
	Scilly (St. Mary's)...	29.97	64	SW	3	b	29.73	-.17	59	59	-1	S	6	r	4	67	57	bc	12.1	0.24
	Jersey (St. Aubins)...	30.05	68	W	3	b	30.03	+.10	65	60	+5	SSE	3	bc	3	65	52	bc, b	12.8	–
	Portland Bill ...	29.97	61	WSW	4	bc	29.99	+.12	60	58	+1	S	4	bc	2	65	55	c, bc	*	–
	Dungeness ...	29.95	63	WSW	6	bc	30.05	+.29	62	59	+4	WSW	3	bc	2	69	54	bc, w	5.6	0.02
	Wick	29.79	56	SE	1	b	29.94	+.19	55	52	+1	ESE	2	f	1	60	43	–	*	–
	Nairn	29.76	56	E	1	m	29.90	+.17	58	54	+3	Z	0	b	0	69	43	–	*	–
	Aberdeen ...	29.76	58	SE	1	c	29.96	+.23	52	52	-2	ESE	1	f	2	61	48	o, c	1.5	–
	Leith	29.74	68	W	2	c	29.92	+.18	62	57	+4	WSW	1	b	*	75	48	–	*	–
	North Shields ...	29.81	65	WSW	2	c	29.96	+.24	60	56	+3	SW	1	bm	2	66	50	c	*	–
	Spurn Head ...	29.80	63	WNW	4	c	30.01	+.30	61	58	+5	W	2	b	2	64	52	–	*	0.01
	Yarmouth ...	29.84	65	W	2	o	30.00	+.38	61	57	+5	WSW	1	b	2	65	51	op, o	*	0.08
	Nottingham ...														*					
	Oxford	29.97	60	WSW	2	b	?30.02	+.22	60	56	+4	S	2	b	*	70	49	–	*	–
	London (Brixton)...	29.92	68	NW	3	bc	30.02	+.23	61	55	+2	SSW	2	bc	*	70	48	o, bc, b	5.9	–
GERMANY, &c.	The Scaw (Skagen)	29.96	65	NE	1	b	30.01	+.08	64	63	0	NW	1	b	0	77	57	–	*	–
	Fanö	29.90	63	ESE	4	b	29.97	+.18	63	61	-3	ESE	2	o	*	73	61	–	*	–
	Cuxhaven ...	29.84	68	S	1	o	29.98	+.24	62	60	-2	SW	2	o	*	73	61	–	*	–
	The Helder ...	29.85	60	WNW	5	o	30.01	+.40	61	58	-4	WNW	2	b	2	68	57	–	*	–
	Brussels	*	*	*	*	*	30.10	+.39	59	57	+1	SW	3	b	*	62	51	–	*	0.08
	Berlin	29.86	69	NE	2	b	29.97	+.11	65	59	-1	Z	0	c	*	79	57	–	*	–
	Frankfürt ...	29.98	61	E	4	o	30.05	+.30	60	56	-3	SW	1	o	*	68	57	–	*	0.83
	Munich	30.05	53	W	4	r	30.15	+.26	53	53	-4	W	6	o	*	59	52	–	*	1.65
FRANCE.	C. Gris Nez ...	29.96	61	WSW	6	c	30.03	+.35	60	59	+3	WSW	3	o	2	64	57	–	*	0.04
	Brest	30.05	65	NW	2	b	29.91	-.06	59	57	0	SE	4	r	4	70	57	–	*	0.20
	Lorient	30.08	70	W	3	bc	30.01	+.03	62	59	+2	SSW	4	r	4	70	57	–	*	–
	Rochefort ...	30.09	66	NW	3	c	30.09	+.06	61	60	-2	SE	3	o	*	72	55	c	*	–
	Biarritz	30.15	68	NNE	1	b	30.08	-.04	62	59	-2	Z	0	b	3	70	55	–	*	–
	Paris	30.04	66	W	3	c	?30.10	+.20	59	57	0	Z	0	b	*	71	50	–	*	–
	Belfort	30.03	59	W	4	bc	30.10	+.19	53	51	0	W	2	m	*	64	48	–	*	0.12
	Lyons	30.10	65	NNW	2	c	30.13	+.06	57	50	-2	NNW	2	b	*	72	51	–	*	0.04
	Nice	29.79	73	W	1	b	29.93	+.09	70	62	+4	Z	0	b	1	81	61	–	*	–
	Perpignan ...														*				*	
SPAN. PEN.	Corunna																		*	
	Lisbon	30.15	65	N	3	b	30.13	-.03	69	62	+3	NW	4	b	*	73	64	–	*	–
	Azores (P. Delgada)	30.22	71	NW	4	o	30.23	+.06	70	66	0	WNW	3	c	3	75	66	–	*	–
	,, (Horta) ...	30.23	69	Z	0	b	30.23	+.04	70	66	-1	SW	4	o	1	79	68	–	*	–

NOTE: *The Sunshine for London given in this Table is recorded on the Tower of the Wesleyan Training College, Westminster: the Sunshine entered to Dungeness is recorded at Littlestone-on-Sea.*

* *Observations for this column not generally received.*

† *Observations received too late for insertion in Charts on next page.*

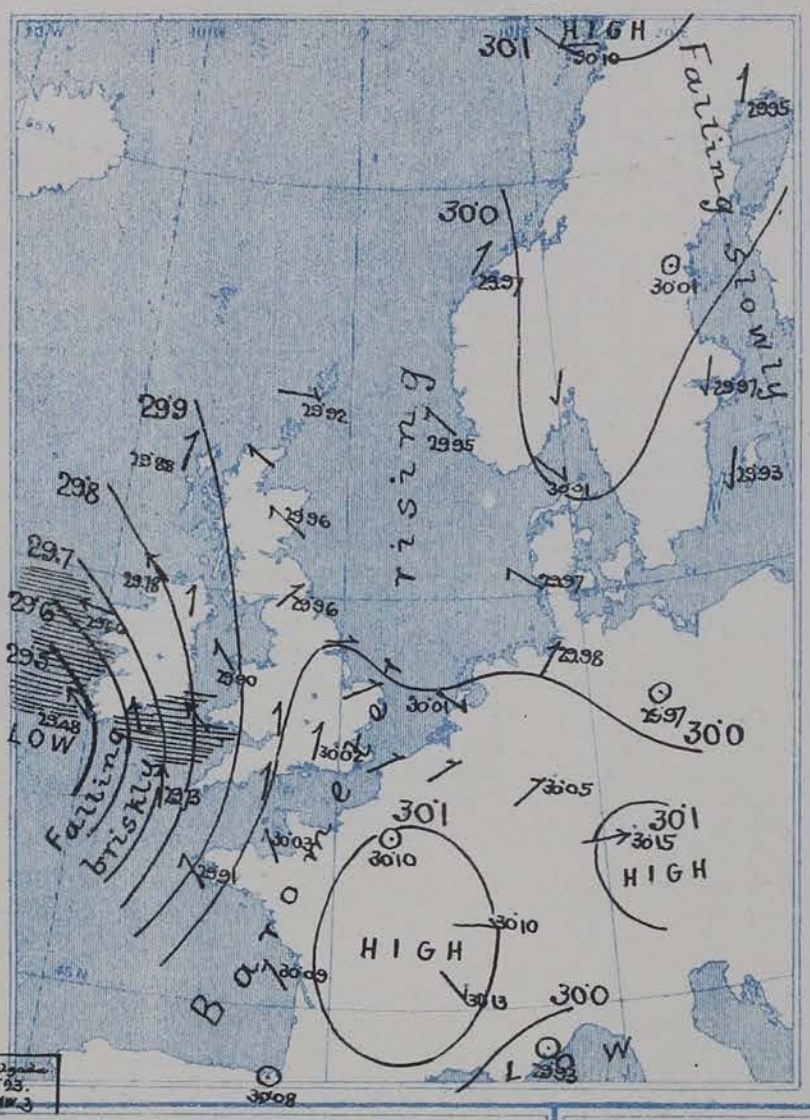
WEATHER CHARTS

FOR SATURDAY, 25TH JULY, 1903.

I. BAROMETER, WIND AND SEA. *This Morning.*

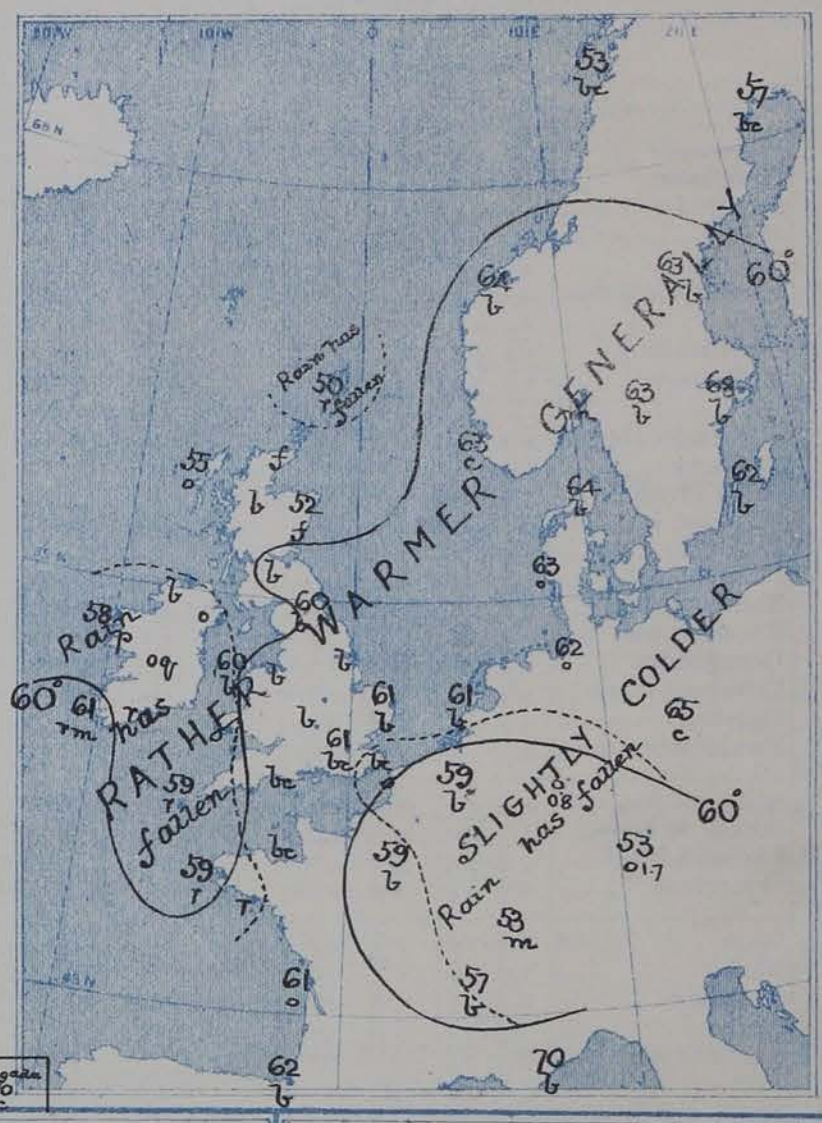
BAROMETER.—Isobars are drawn for each tenth of an inch.
WIND.—Arrows show Directions and Force, flying with the wind.

Force above 10 → *Force 5 to 7* → } Calm ⊙
Force 8 to 10 → *Force 1 to 4* → }
SEA.—Rough. *High.*



II. TEMPERATURE AND WEATHER. *This Morning.*

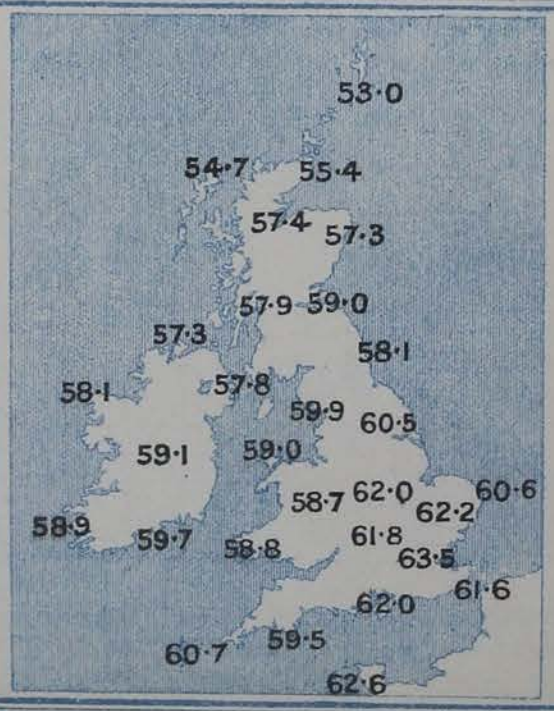
TEMPERATURE.—Isotherms are drawn for each 10°.
WEATHER.—Shown by Letters of the Beaufort Scale. *(See P. 4.)*
RAINFALL.—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus :-0·6



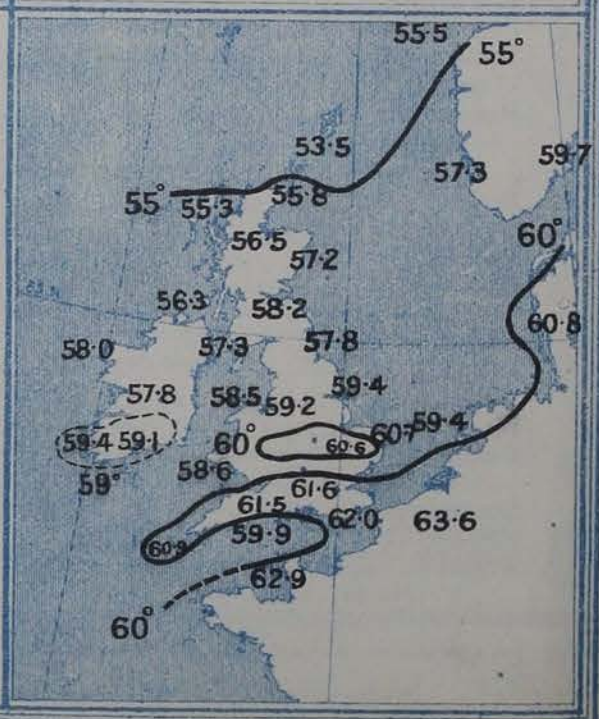
III BAROMETER AND WIND

Yesterday morning.

IV. *Averages of* DAILY MAXIMUM *and* MINIMUM TEMERATURES *Combined for the month of* JULY. *(1871-1900)*



V. *Means of* DAILY TEMPERATURE *at 8 A.M for the Two monthly period* JULY - AUGUST *(1871-1900)*



GENERAL SITUATION AT 8 A.M.

PRESSURE

The shallow cyclonic system noticed yesterday morning over the Bay of Biscay has travelled northeastwards, its centre being now situated off the Dutch coasts, in which neighbourhood the barometer has fallen to about 29·6 ins. In the rear of the disturbance the mercury is now rising again over England and France, but in Denmark and North Germany it is falling steadily. The highest pressures, 30·1 ins. and upwards, are now found over the southwest of France, but the barometer is also high, 30·0 ins. and upwards, over and to the eastward of Sweden – An area of low readings still exists off our own extreme western coasts.

WIND

In Ireland the wind is Southerly or South Westerly, while in Scotland it is very variable. In other parts of Western Europe a circulation is shown round the Dutch depression, the wind being moderate to fresh from the Westward or North Westward over England and France, and from the South Westward or Southward in the Netherlands, but from the South Eastward or Eastward in Denmark and North Germany. The shift of wind to the northward of West which has occurred over England and France has been accompanied by a rather general fall of temperature, the readings being now below the average for the time of year.

TEMPERATURE

Over the United Kingdom the highest temperature reported is 60° at Bath and Jersey; on the north and east coasts of Scotland, where fog and mist prevail, the readings are below 55°. In some parts of Sweden, Denmark and North Germany, and also in the South of France the thermometer stands slightly above 65°.

WEATHER AND SEA

Rain is falling around the cyclonic area, i.e. in the east and southeast of England and also at Cape Gris Nez and Frankfurt, but in other parts of Western Europe the weather is mostly fair or fine; showers are, however, reported in the west of Ireland. The sea is slight or smooth generally, but moderate on some parts of the English and Irish coasts and rough at Cape Gris Nez.

During yesterday the thermometer rose to between 65° and 70° in many parts of the United Kingdom and to 73° in London. The amount of Bright Sunshine was very small over England, but larger in Ireland, Scotland and South Wales, – more than 10 hours at Aberdeen and Pembroke. Rain has again fallen over Western Europe generally, – heavily over France, Western Germany and the southeast of England. The largest amounts reported this morning are 1·7 inch at Cape Gris Nez, 1·5 inch in London and 1·2 inch at Clacton-on-Sea.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression off the Dutch coasts is likely to move northeastwards but will probably disperse shortly, the weather in its rear becoming fine over nearly the whole of England. In the west of Ireland the wind is backing, so that another disturbance is likely to appear shortly off our western coasts. Rain is probable over Ireland and the west and north of Scotland.

FORECASTS*

For the 24 hours ending at NOON on 25th JULY, 1903

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	S^ly and SW^ly winds, light or moderate; fair at first, some rain later.	6 SCOTLAND WEST	Same as No. 0.
1 SCOTLAND EAST	Light variable airs; fair generally.	7 ENGLAND N.W. 8 ENGLAND S.W.	W^ly to SW^ly winds, light or moderate; fair generally.
2 ENGLAND N.E. 3 ENGLAND EAST	NW^ly to W^ly winds, moderate; some showers at first, then fair.	9 IRELAND NORTH 10 IRELAND SOUTH	SW^ly winds, moderate or fresh; changeable, some showers.
4 MIDLAND COUNTIES 5 ENGLAND SOUTH	W^ly to SW^ly winds, light or moderate; fair, cool.	WARNINGS	None issued.

Note.—The **South Cone**, *point downwards* (▼), means that gales, or strong winds, are probable, at first from the Southward (from S.E. ~~round by S. to N.W.~~). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the *North* Cone is hoisted in preference to the *South* Cone.

The **North Cone**, *point upwards* (▲), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.) Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the *South* Cone is hoisted in preference to the *North* Cone.

* *For terms for transmission of Forecasts by Telegraph, see next page*

ADDITIONAL OBSERVATIONS made at Stations in the UNITED KINGDOM.

TELEGRAPHIC REPORTS TO-DAY.	Yesterday 6 p.m.					This Morning 8 a.m.									Past 24 Hours.				
	Bar. Ins.	Temp. °	Wind Direc^n	Wind Force	Weather.	Barometer. Ins.	Barometer. Change	Temperature Dry.	Temperature Wet.	Temperature Change	Wind Direc^n	Wind Force	Weather.	Sea.	Temperature Max.	Temperature Min.	Weather	Sunshine. Hrs.	Rainfall Ins.
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	*	*	r	*	65	55	c, r	3.6	1.24
Bath	29.72	60	W	1	b	29.84	+.08	60	55	-1	W	2	b	*	68	53	—	1.1	0.30

REPORTS FOR YESTERDAY.

STATIONS.	Temperture F. Max	Temperture F. Min.	Weather.	Sunshine. Hrs.	Rainfall. Ins.	STATIONS.	Temperature F. Max.	Temperature F. Min.	Weather.	Sunshine. Hrs.	Rainfall. Ins.
Southport, to 9 p.m.... ...	65°	52°	o, c, op	3.0	0.04	Broadstairs...	*	*	*	4.1	*
Rhyl, to 6 p.m.	*	*	*	2.5	*	Margate	*	*	*	3.2	*
Llandudno	*	*	*	2.8	*	Lowestoft, to 6 p.m. ...	67	56	c	3.5	—
Aberystwyth, to 6 p.m. ...	63	57	oc	5.0	0.28	Scarborough	*	*	*	1.6	*
Plymouth, to 9 p.m.... ...	65	55	or, bo	2.7	0.37	Harrogate, to 6 p.m. ...	69	49	bmw, c	4.6	—
Worthing	*	*	*	1.2	*	Manchester, to 9 p.m. ...	71	50	bc, o, bc	4.7	—
Brighton	*	*	*	1.8	*	Darwen, to 9 p.m.	67	50	bw, om, ow	7.0	—
Eastbourne, to 6 p.m. ...	*	*	*	0.8	*	Birmingham, to 9 p.m. ...	69	52	c, r	1.9	0.02
Hastings	*	*	*	1.1	*						

TEMPERATURE, WEATHER, and RAINFALL at additional FOREIGN STATIONS, mainly for the 24 hours ended at 8 a.m. yesterday.

STATIONS. 23rd July, 1903.	Temperature, F. Max.	Temperature, F. Min.	Weather.	Rain. Ins.	STATIONS. 22nd July, 1903	Temperature, F. Dry 1 p.m.	Temperature, F. Wet.	Weather. 1 p.m.	Rain. Ins. Measured 7 a.m.
Marseilles	82	57	bc, o	—	Geneva	70	*	b	—
Utrecht...	70	54	c, m	0.16	Berne	70	*	b	0.04
Copenhagen	64	57	b, o	—	Lucerne	72	*	b	0.43
Prague	70	55	o, o	—	Coire	70	*	b	—
Vienna	70	55	bc, bc	?	Castasegna	72	*	b	—
Buda-Pesth	73	57	b, b	—	Lugano	79	*	b	—
St. Petersburg	61	50	o, o	0.08					
Rome	68	63	b, b	—					
Malta	79	68	?, b	—					
Madeira (Funchal) Not rec^d.									

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

TABLE SHOWING THE LOCAL STANDARD TIMES AND THE CORRESPONDING GREENWICH TIMES OF THE OBSERVATIONS RECORDED ON PAGE 1.

COUNTRIES, &c.	Hours of Morning Observations by Local Standard Time.	Corresponding Greenwich Times.	Hours of Evening Observations by Local Standard.	Corresponding Greenwich Times.
British Isles, Belgium† ...	8 a.m. (West European)	8 a.m.	6 p.m.‡ (W.E.T.)	6 p.m.‡
Holland	8 a.m. (" ")	8 a.m.	7 p.m. (W.E.T.)	7 p.m.
Germany, Denmark, Norway, Sweden	8 a.m. (Mid-European)	7 a.m.	8 p.m. (M.E.T.)	7 p.m.
France	7 a.m. (Paris)	6.51 a.m.	6 p.m. (Paris)	5.51 p.m.
Spain	8 a.m. (West European)	8 a.m.	6 p.m. (W.E.T.)	6 p.m.
Portugal	8 a.m. (Lisbon)	8.36 a.m.	3.23 p.m. (Lisbon)	4 p.m.
Azores { Ponta Delgada	6 a.m. (Local)	7.43 a.m.	9 p.m. (Local)	10.43 p.m.
Azores { Horta	6 a.m. (Local)	7.55 a.m.	9 p.m. (Local)	10.55 p.m.

TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON, AND SUNSET, FOR STATIONS IN THE UNITED KINGDOM, TO-DAY.

24th July, 1903.	Sunrise G.M.T.	Noon G.M.T.	Sunset G.M.T.
Yarmouth	4.2	11.59	7.56
Greenwich	4.13	12.6	7.59
Wick	3.47	12.18	8.49
Valencia	4.52	12.47	8.42

SUBSCRIPTIONS both for the Daily *and* Weekly Weather Reports *may be paid, in advance, to the* Meteorological Office.

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FORECASTS OF WEATHER for one day in advance are drawn up at the Meteorological Office at 11 a.m., and between 7 and 8 p.m. The latest forecast can be had by Reply Telegram, on paying at any Post Office in the United Kingdom **Sixpence in addition to the cost of the inquiry and reply Telegrams.** Information as to the Terms on which Forecasts can be sent daily, for a long or short period, may be obtained on application to the Meteorological Office, 63, Victoria Street, S.W., either personally or by post.

† The evening observations in Belgium are not given on page 1.

‡ At Oxford the observations are taken at 8 p.m.

DAILY WEATHER REPORT

for 8 a.m. on Sunday, 26th JULY, 1903.

Issued by the METEOROLOGICAL OFFICE, 63, Victoria Street, London. W. N. SHAW, *Secretary.*

	STATIONS.	YESTERDAY EVENING. (See note on last page.) Barom. At 32° and M.S.L. Ins.	Temp. Dry Bulb. °	Wind. Direc.	Wind. Force (0 to 12.)	Weather	THIS MORNING. (See note on last page.) Barometer. At 32° At 32° Fahr. and M.S.L. Ins.	Barometer. Change since Yesterday. Ins.	Temperature. Dry Bulb. °	Temperature. Wet Bulb. °	Temperature. Change since Yesterday. °	Wind. Direc.	Wind. Force (0 to 12.)	Weather.	Sea (0 to 9.)	PAST 24 HOURS. Temp. Max. °	Temp. Min. °	Weather	Sunshine. Hours.	Rainfall. Ins.
SCANDINAVIA.	Haparanda ...	30.01	56	NE	2	c	30.00	+.05	57	52	0	NE	2	b	*	72	50	—	*	—
	Hernösand ...	29.98	61	Z	0	b	30.04	+.03	63	58	0	E	4	bc	*	75	50	—	*	—
	Stockholm ...	29.97	66	Z	0	b	29.98	+.01	70	59	+2	NNE	2	b	*	75	54	—	*	—
	Wisby	29.92	62	NNE	2	b	29.95	+.02	61	59	−1	NNE	2	b	*	66	55	—	*	—
	Karlstad	29.97	71	Z	0	b	29.99	−.04	66	61	+3	W	2	b	*	*	*	—	*	—
	Færder (X'iania Fjord)	29.99	67	SW	2	b	29.98	−.04	64	58	+1	N	2	bc	1	73	63	—	*	—
	Bodö	30.06	55	N	1	b	30.04	−.06	55	52	+2	Z	0	bc	0	59	46	—	*	—
	Christiansund ...	30.08	64	Z	0	b	29.98	+.01	62	57	−2	WSW	2	bc	1	72	55	—	*	—
	Skudesnaes ...	30.01	59	W	2	0	29.98	+.02	62	59	−1	E	2	b	2	63	55	c,0	*	*
BRITISH ISLANDS.	Sumburgh Head	29.96	50	E	1	m	29.84	−.08	51	50	+1	ESE	3	0	4	55	49	0,m	*	—
	Stornoway ...	29.73	65	ESE	4	0	29.66	−.22	55	55	0	SSW	2	0	2	69	52	bc,0	11.5	0.12
	Malin Head ...	29.53	56	SE	8	ong	29.69	−.09	58	54	0	S	4	b	3	61	52	0,ong	*	0.15
	Blacksod Pt. ...	29.48	59	WSW	6	c	29.70	+.04	58	55	0	SSW	4	cp	4	62	54	rgm,c	*	0.39
	Valencia	29.62	59	SW	4	c	29.80	+.32	58	54	−3	SSW	3	bcp	4	63	53	c	2.5	0.09
	Roche's Point ...	29.61	61	WSW	2	c	29.83	+.19	57	55	−1	WSW	2	bw	2	64	48	r,c	*	0.24
	Parsonstown ...	29.59	57	ESE	1	0	29.81	+.10	57	54	−1	W	2	b	*	64	47	or	0.0	0.53
	Donaghadee ...	29.68	57	SE	4	0	29.75	−.14	54	54	−3	WSW	1	b	1	64	51	—	*	0.44
	Liverpool Obsy.	29.75	61	SE	4	r	29.77	−.17	56	55	−4	W	3	0	3	69	56	—	*	0.18
	Holyhead ...	29.67	59	SE	5	op	29.79	−.11	60	57	0	WNW	2	bc	2	64	54	rym,op	*	0.27
	Pembroke (St. Ann's)	29.64	60	S	6	r	29.83	−.02	58	56	+1	WNW	3	b	5	60	56	r	0.0	0.48
	Scilly (St. Mary's)...	29.67	62	W	4	0	29.87	+.14	61	58	+2	WNW	3	bc	3	64	57	r,0	0.2	0.38
	Jersey (St. Aubins)...	29.91	63	SE	5	opg	29.88	+.05	61	59	−4	WNW	4	cp	4	65	59	org,p	1.7	0.30
	Portland Bill ...	29.85	59	SSE	5	r	29.83	−.16	59	57	−1	NW	5	bc	4	64	57	r	*	0.97
	Dungeness ...	29.96	62	ESE	2	bc	29.82	+.23	61	60	−1	SSW	3	r	1	67	59	bc	9.6	0.25
	Wick	29.91	54	SE	3	f	29.74	−.20	53	52	−2	SE	3	r	3	56	50	—	*	0.13
	Nairn	29.78	61	ESE	2	bc	29.67	−.23	59	56	+1	ESE	1	c	1	72	53	—	*	0.01
	Aberdeen ...	29.90	53	SE	4	om	29.74	−.22	54	54	+2	SE	3	rm	3	56	52	f,om	0.0	0.26
	Leith	29.79	65	ESE	2	c	29.71	−.21	61	58	−1	WSW	1	0	*	72	58	—	*	—
	North Shields ...	29.85	60	SE	4	c	29.72	−.24	58	58	−2	SSE	2	r	3	64	55	bm,c	*	0.23
	Spurn Head ...	29.91	63	SSE	4	bc	29.77	−.24	59	59	−2	SE	4	0	3	64	59	—	*	0.06
	Yarmouth ...	29.95	65	S	4	b	29.80	−.20	62	59	+1	S	4	c	3	65	57	b	*	0.20
	Nottingham ...	29.86	67	S	2	0	29.75		59	59		W	1	0	*	70	56	—	10.1	0.23
	Oxford	29.86	61	SSE	2	r	29.78	−.24	59	58	−1	SW	2	r	*	69	58	or	*	0.42
	London (Brixton)...	29.92	66	SW	3	0	29.79	−.23	62	61	+1	SW	2	0	*	72	58	c,0,r	10.3	0.92
GERMANY, &c.	The Scaw (Skagen)	30.00	64	Z	0	b	29.98	−.03	65	60	−1	NW	1	c	0	72	55	—	*	—
	Fanö	30.01	59	S	1	b	30.01	+.04	62	59	−1	SSW	1	0	*	72	59	—	*	—
	Cuxhaven ...	30.03	63	W	2	0	30.02	+.04	59	58	−3	S	1	bf	*	64	52	—	*	—
	The Helder ...	30.00	64	Z	0	b	29.89	−.12	68	62	+7	SSE	1	bc	1	68	57	—	*	—
	Brussels	*	*	*	*	*	29.93	+.17	64	59	+5	SW	2	0	*	72	*	—	*	—
	Berlin	29.98	68	NE	1	b	30.00	+.03	63	60	−2	WNW	1	b	*	77	55	—	*	—
	Frankfürt ...	30.04	61	S	1	c	30.01	+.04	61	56	+1	E	1	b	*	70	52	—	*	0.16
	Munich	30.16	57	Z	0	bc	30.13	−.02	57	55	+4	SE	2	b	*	61	48	—	*	—
FRANCE.	C. Gris Nez ...	29.94	65	NE	3	b	29.83	−.20	62	60	+2	SSE	5	0	3	72	60	—	*	0.04
	Brest	29.79	61	SSW	5	0	29.92	+.01	59	56	0	NW	3	c	3	64	57	—	*	0.24
	Lorient	29.89	63	SSW	6	f	29.94	+.07	60	59	−2	WNW	4	r	4	66	59	—	*	0.08
	Rochefort ...	29.97	71	NNW	2	c	29.95	−.14	66	64	+5	WSW	4	0	*	82	59	f,c	*	0.43
	Biarritz	30.01	72	NNE	2	b	30.08	.00	67	65	+5	WSW	1	0	1	79	64	b,b	*	—
	Paris	30.00	72	S	3	0	29.91	−.19	63	57	+4	S	2	0	*	75	59	—	*	—
	Belfort	30.01	67	ENE	2	bc	30.00	−.10	59	58	+6	ENE	4	m	*	72	51	—	*	—
	Lyons	30.04	71	N	1	b	30.06	−.13	64	57	+7	SSE	1	0	*	74	51	—	*	—
	Nice	29.94	70	Z	0	b	29.99	+.06	69	62	−1	E	1	b	0	82	59	—	*	—
	Perpignan ...	30.00	75	E	1	b	29.96	−.13	67	66	−1	NE	1	0	*	81	60	—	*	—
SPAN. PEN.	Corunna	30.10	73	SSW	4	0	30.23	+.13	67	61	−3	WSW	1	bc	2	75	57	—	*	—
	Lisbon	30.15	69	?NW	4	0	30.18	+.05	69	64	0	N	3	0	*	77	60	—	*	—
	Azores (P. Delgada)	30.26	71	WNW	4	b	30.28	+.05	72	68	+2	NNW	1	c	2	75	68	—	*	—
	" (Horta) ...	30.28	72	Z	0	bc	30.30	+.07	69	67	−1	Z	0	0	1	79	66	—	*	—

NOTE: *The Sunshine for London given in this Table is recorded on the Tower of the Wesleyan Training College, Westminster: the Sunshine entered to Dungeness is recorded at Littlestone-on-Sea.*

* *Observations for this column not generally received.*

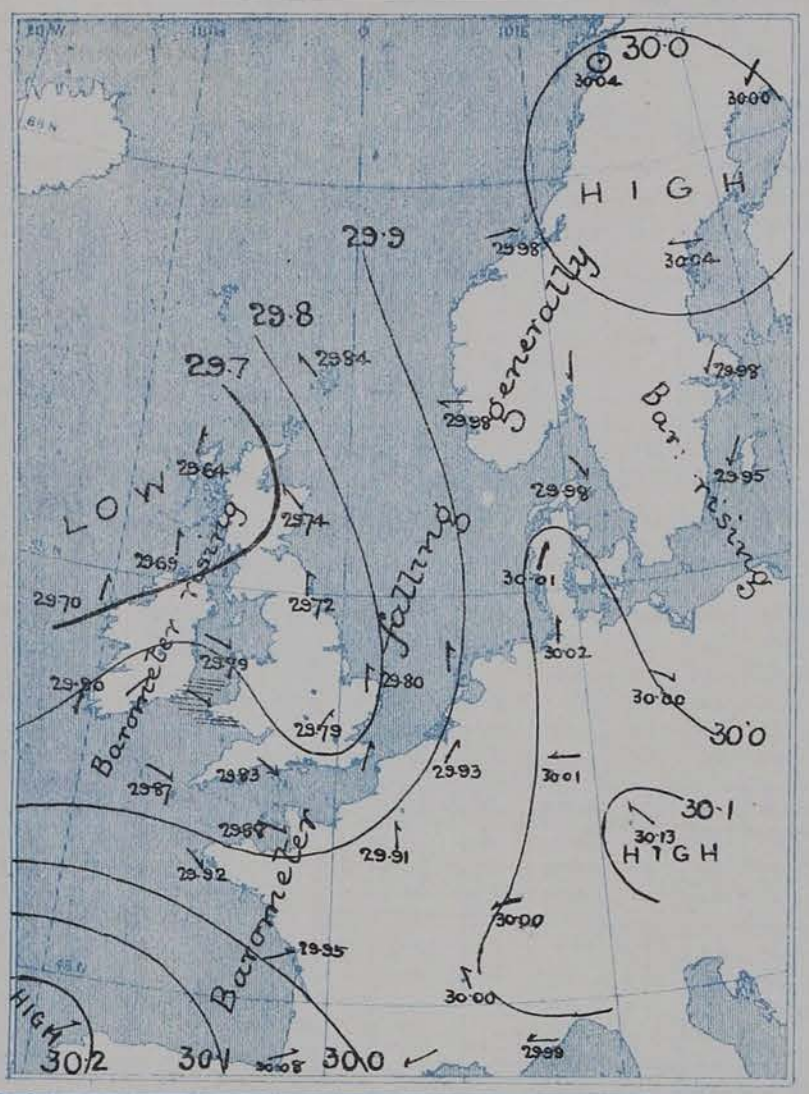
† *Observations received too late for insertion in Charts on next page.*

WEATHER CHARTS

FOR SUNDAY, 26TH JULY, 1903.

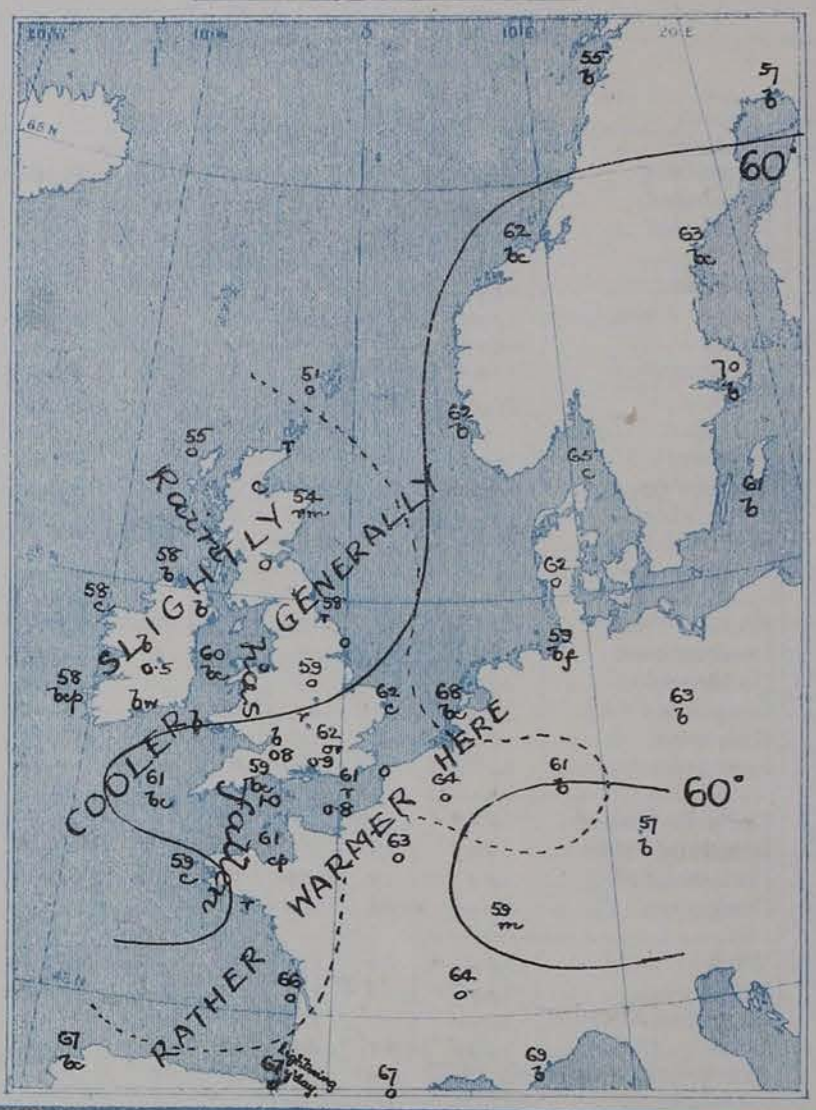
I. BAROMETER, WIND AND SEA. *This Morning.*

BAROMETER.—Isobars are drawn for each tenth of an inch.
WIND.—Arrows show Directions and Force, flying with the wind.
Force above 10 — *Force 8 to 10* — *Force 5 to 7* — *Force 1 to 4* — Calm
SEA.—Rough — *High*



II. TEMPERATURE AND WEATHER. *This Morning.*

TEMPERATURE.—Isotherms are drawn for each 10°.
WEATHER.—Shown by Letters of the Beaufort Scale. *(See P. 4.)*
RAINFALL.—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0·6

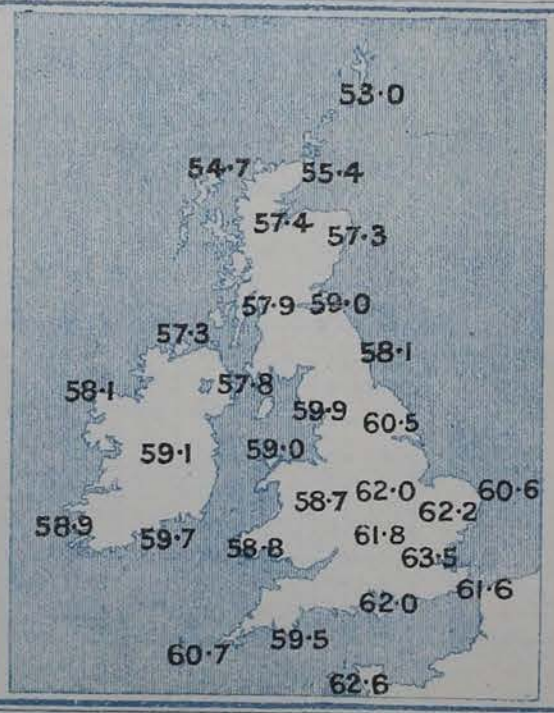


III. BAROMETER AND WIND

Yesterday morning.

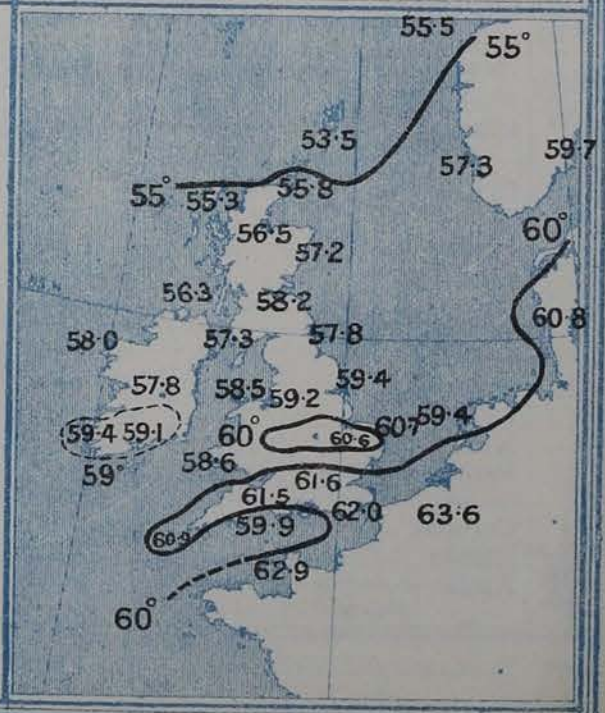
IV. *Averages of* DAILY MAXIMUM *and* MINIMUM TEMERATURES

Combined for the month of JULY. *(1871-1900)*



V. *Means of* DAILY TEMPERATURE

at 8 A.M for the Two monthly period JULY - AUGUST *(1871-1900)*



GENERAL SITUATION AT 8 A.M.

PRESSURE

The depression noticed yesterday off the Dutch coasts has moved on to the southern part of the North Sea, and has almost entirely disperse[d]. A new and much deeper disturbance, with minimum pressures below 29·5 ins., is however approaching the south of Ireland, and is occasioning a brisk fall of the barometer on all our southwest coasts, the gradient in that neighbourhood being already steep. In nearly all other parts of our area the mercury is at present rising slowly, but in Sweden a slight fall is reported. The highest pressures, 30·1 ins. and upwards, are found in three areas, – one lying over Central France, another over South Germany, and the third off the coasts of Finmark.

WIND

Under the influence of the advancing depression the wind has backed to the Southward or South Eastward on the west coasts of our Islands and France generally, and at all our southwestern stations it blows strongly, with dull rainy weather; a rather rough sea is reported off the west of Ireland, as well as at Pembroke. Over the North Sea and the adjacent coasts a faint cyclonic circulation of air is still shown around the expiring depression in that neighbourhood, but the weather over the western parts of the Continent and the major part of Great Britain is at present fine.

TEMPERATURE

Fog still prevails, however, off the northeast coasts of Scotland, while in Germany the weather is dull. Temperature has risen in most parts of the United Kingdom and is now in fair agreement with the average, excepting on our extreme northern coasts where fog is accompanied by readings ranging between 50° and 55°. In the east and southeast of Great Britain the thermometer is slightly above 60°, while at Jersey it stands at 65°. Readings above 60° are reported also at many of the Scandinavian stations, the thermometer at Stockholm being as high as 68°.

WEATHER AND SEA

The sea is slight or smooth on all but our southwest coasts.

During yesterday the thermometer rose to between 65° and 70° in most parts of the United Kingdom and to 75° at Leith. The amount of Bright Sunshine was large on our west and south coasts (more than 13 hours at Llandudno and Pembroke) but much smaller in the north and east. Rain has fallen at many of the English, Irish and French stations, and a considerable quantity in some parts of Germany, – as much as 1·7 inch at Munich.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression which is approaching Ireland is likely to spread eastwards and to occasion rain in nearly all parts of the Kingdom. A considerable increase of wind is probable over the whole of Ireland and England, with gales on our western and southern coasts.

FORECASTS*

For the 24 hours ending at NOON on 26th JULY, 1903

DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	SE^ly winds, freshening; fair today, some rain tonight or tomorrow.
1 SCOTLAND EAST	
2 ENGLAND N.E.	
3 ENGLAND EAST	S^ly winds, increasing in strength; fine at first, then squally and rainy.
4 MIDLAND COUNTIES	
5 ENGLAND SOUTH	
6 SCOTLAND WEST	Same as Nos. 0 to 2.
7 ENGLAND N.W.	SE^ly winds, increasing considerably in strength; dull, rainy.
8 ENGLAND S.W.	S^ly winds, increasing to a gale; dull, rainy.
9 IRELAND NORTH	Same as No. 7.
10 IRELAND SOUTH	SE^ly gales, shifting later to the N^wd; rainy at first, some improvement later.
WARNINGS	At 9.30 a.m. this morning, to Districts 7, 8, 9 and 10, and part of 5, "Hoist South Cone."

Note.—The **South Cone**, *point downwards* ( ), means that gales, or strong winds, are probable, at first from the Southward (from S.E ~~round by S.~~ to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the *North* Cone is hoisted in preference to the *South* Cone.

The **North Cone**, *point upwards* ( ), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the *South* Cone is hoisted in preference to the *North* Cone.

* *For terms for transmission of Forecasts by Telegraph, see next page*

ADDITIONAL OBSERVATIONS made at Stations in the UNITED KINGDOM.

TELEGRAPHIC REPORTS TO-DAY.	Yesterday 6 p.m.					This Morning 8 a.m.									Past 24 Hours.				
	Bar. Ins	Temp. °	Wind Direc^n	Wind Force	Weather.	Barometer. Ins.	Barometer. Change	Temperature Dry.	Temperature Wet.	Temperature Change	Wind Direc^n	Wind Force	Weather.	Sea.	Temperature Max.	Temperature Min.	Weather	Sunshine Hrs.	Rainfall Ins.
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	*	*	b	*	66	50	b	3.1	0.11
Bath	29.96	60	W	3	b	29.98	+.14	60	57	0	W	1	b	*	68	45	–	12.0	–

REPORTS FOR YESTERDAY.

STATIONS.	Temperture F. Max.	Temperture F. Min.	Weather.	Sunshine. Hrs.	Rainfall. Ins.	STATIONS.	Temperature F. Max.	Temperature F. Min.	Weather.	Sunshine. Hrs.	Rainfall. Ins.
Southport, to 9 p.m.... ...	63	55	c, b	12.0	–	Broadstairs to 6 p.m.... ...	*	*	*	4.8	*
Rhyl, to 6 p.m....	*	*	*		*	Margate	*	*	*	4.5	*
Llandudno...	*	*	*	13.6	*	Lowestoft, to 6 p.m. ...	66	54	o, c	0.2	0.47
Aberystwyth, to 6 p.m. ...	64	58	bc	10.0	–	Scarborough	*	*	*	0.0	*
Plymouth, to 9 p.m.... ...	67	58	bc	10.1	–	Harrogate, to 6 p.m. ...	68	53	o, w, m, bc	5.5	–
Worthing	*	*	*	11.1	*	Manchester, to 9 p.m. ...	66	53	bc, b	8.8	–
Brighton to 6 p.m.	*	*	*	10.0	*	Darwen, to 9 p.m.	64	52	bcm, bw	10.2	–
Eastbourne, to 6 p.m. ...	*	*	*	10.8	*	Birmingham, to 9 p.m. ...	68	52	o, c, b	7.8	0.03
Hastings	*	*	*	8.3	*						

TEMPERATURE, WEATHER, and RAINFALL at additional FOREIGN STATIONS, mainly for the 24 hours ended at 8 a.m. yesterday.

STATIONS. 24th July 1903.	Temperature, F. Max.	Temperature, F. Min.	Weather.	Rain. Ins.	STATIONS. 25th July 1903	Temperature, F. Dry 1 p.m.	Temperature, F. Wet.	Weather. 1 p.m.	Rain. Ins. Measured 7 a.m.
Marseilles	77	59	o, b	0.78	Geneva	73	*	c	–
Utrecht...	75	63	tlr, o	0.16	Berne	75	*	c	0.04
Copenhagen	68	59	b, b	–	Lucerne	73	*	b	–
Prague	75	55	bc, bc	–	Coire	79	*	c	–
Vienna	73	59	c, b	–	Castasegna	68	*	o	–
Buda-Pesth	77	59	b, o	–	Lugano	77	*	c	–
St. Petersburg	?	?	o, bc	–					
Rome	85	63	b, b	–					
Malta	81	68	?, c	–					
Madeira (Funchal) Not rec^d.									

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

TABLE SHOWING THE LOCAL STANDARD TIMES AND THE CORRESPONDING GREENWICH TIMES OF THE OBSERVATIONS RECORDED ON PAGE 1.

COUNTRIES, &c.	Hours of Morning Observations by Local Standard Time.	Corresponding Greenwich Times.	Hours of Evening Observations by Local Standard.	Corresponding Greenwich Times.
British Isles, Belgium† ...	8 a.m. (West European)	8 a.m.	6 p.m. (W.E.T.)	6 p.m.
Holland	8 a.m. (" ")	8 a.m.	7 p.m. (W.E.T.)	7 p.m.
Germany, Denmark, Norway, Sweden	8 a.m. (Mid-European)	7 a.m.	8 p.m. (M.E.T.)	7 p.m.
France	7 a.m. (Paris)	6.51 a.m.	6 p.m. (Paris)	5.51 p.m.
Spain	8 a.m. (West European)	8 a.m.	6 p.m. (W.E.T.)	6 p.m.
Portugal	8 a.m. (Lisbon)	8.36 a.m.	3.23 p.m. (Lisbon)	4 p.m.
Azores { Ponta Delgada	6 a.m. (Local)	7.43 a.m.	9 p.m. (Local)	10.43 p.m.
Azores { Horta	6 a.m. (Local)	7.55 a.m.	9 p.m. (Local)	10.55 p.m.

TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON, AND SUNSET, FOR STATIONS IN THE UNITED KINGDOM, TO-DAY.

25th July, 1903.	Sunrise G.M.T.	Noon G.M.T.	Sunset G.M.T.
Yarmouth	4.3	11.59	7.54
Greenwich	4.14	12.6	7.58
Wick	3.49	12.18	8.47
Valencia	4.54	12.47	8.41

SUBSCRIPTIONS both for the Daily *and* Weekly Weather Reports *may be paid, in advance, to the* Meteorological Office.

TERMS: For Daily Weather Report, forwarded by Book Post, £1 0 0 per annum.
" Weekly " " " £1 10 0 " Single Copies, 6d.

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FORECASTS OF WEATHER for one day in advance are drawn up at the Meteorological Office at 11 a.m., and between 7 and 8 p.m. The latest forecast can be had by Reply Telegram, on paying at any Post Office in the United Kingdom **Sixpence in addition to the cost of the inquiry and reply Telegrams.** Information as to the Terms on which Forecasts can be sent daily, for a long or short period, may be obtained on application to the Meteorological Office, 63, Victoria Street, S.W., either personally or by post.

† The evening observations in Belgium are not given on page 1.

‡ At Oxford the observations are taken at 8 p.m.

DAILY WEATHER REPORT

for 8 a.m. on Monday, 27th JULY, 1903.

Issued by the METEOROLOGICAL OFFICE, 63, Victoria Street, London. **W. N. SHAW**, *Secretary.*

	STATIONS.	YESTERDAY EVENING. (See note on last page.) Barom. At 32° and M.S.L. Ins.	Temp. Dry Bulb. °	Wind. Direc.	Wind. Force (0 to 12.)	Weather	THIS MORNING. (See note on last page.) Barometer. At 32° At 32° Fahr. and M. S. L. Ins.	Change since Yesterday. Ins.	Temperature. Dry Bulb. °	Wet Bulb. °	Change since Yesterday. °	Wind. Direc.	Wind. Force (0 to 12.)	Weather.	Sea (0 to 9.)	PAST 24 HOURS. Temp. Max. °	Temp. Min. °	Weather	Sunshine. Hours.	Rainfall. Ins.
SCANDINAVIA.	Haparanda ...	30·01	55	W	4	o	30·01	+·01	58	50	+1	ENE	2	c	*	66	46	—	*	—
	Hernösand ...	29·99	59	z	0	bc	29·95	−·09	64	60	+1	z	0	o	*	70	57	—	*	—
	Stockholm ...	29·96	68	z	0	bc	29·96	−·02	69	63	−1	z	0	o	*	79	55	—	*	—
	Wisby	29·96	64	z	0	bc	29·95	·00	67	64	+6	z	0	b	*	68	55	—	*	—
	Karlstad	29·95	68	SW	2	c	29·95	−·04	67	61	+1	SW	2	bc	*	*	*	—	*	—
	Færder (X'iania Fjord)	29·94	68	WSW	1	b	29·91	−·07	65	62	+1	NNE	2	b	1	72	63	—	*	—
	Bodö	30·02	55	N	2	b	30·02	−·02	53	50	−2	N	2	b	1	61	48	—	*	—
	Christiansund ...	29·90	60	z	0	b	29·89	−·09	62	58	0	N	4	m	3	63	54	—	*	—
	Skudesnaes ...	29·95	59	S	2	c	29·89	−·09	61	59	−1	ENE	4	c	2	66	55	b,c	*	*
BRITISH ISLANDS.	Sumburgh Head	29·80	55	ESE	4	o	29·67	−·19	53	53	+2	E	4	r	5	56	50	o	*	0·16
	Stornoway ...	29·73	62	SSW	2	c	29·74	+·08	56	51	+1	SSW	1	b	1	65	43	o,c	3·9	0·02
	Malin Head ...	29·75	55	E	2	op	29·72	+·03	56	54	−2	S	1	c	1	61	51	b,ozr	*	0·22
	Blacksod Pt. ...	29·73	60	SSW	4	c	29·68	−·02	58	55	0	SE	3	b	2	63	54	bc,c,l	*	0·34
	Valencia	29·78	60	SSE	3	o	29·60	−·20	57	55	−1	N	4	c	4	64	52	c,o	8·6	0·36
	Roche's Point ...	29·84	62	SW	2	b	29·58	−·25	61	60	+4	SSW	3	o	4	65	55	bc,b,f	*	0·26
	Parsonstown ...	29·80	62	z	0	bc	29·66	−·15	54	53	−3	SE	1	or	*	65	52	—	9·7	0·32
	Donaghadee ...	29·77	64	WSW	1	bc	29·77	+·02	55	54	+1	WSW	1	c	1	64	47	b,bc	*	0·01
	Liverpool Obsy.	29·83	61	WNW	2	b	29·80	+·03	56	53	0	SSE	2	o	2	63	50	—	*	—
	Holyhead ...	29·84	60	SW	3	b	29·75	−·04	57	55	−3	SE	3	op	2	64	54	b	*	0·02
	Pembroke (St. Ann's)	29·88	59	WSW	4	bc	29·64	−·19	56	55	−2	SE	6	ru	5	61	55	bc,r	13·2	0·10
	Scilly (St. Mary's)...	29·91	64	WSW	4	bc	29·66	−·21	62	60	+1	SW	4	op	3	67	58	bc	12·1	0·10
	Jersey (St. Aubins)...	30·00	62	WNW	5	b	29·91	+·03	61	59	0	SE	5	og	3	65	57	b,w	11·8	—
	Portland Bill ...	29·92	62	W	4	bc	29·82	−·01	56	56	−3	S	6	rg	4	65	55	bc	*	0·06
	Dungeness ...	29·86	63	W	5	c	29·96	+·14	62	59	+1	SSW	4	bc	2	67	52	c	2·0	0·22
	Wick	29·76	53	z	0	r	29·73	−·01	55	53	+2	NW	3	bc	2	56	50	—	*	0·67
	Nairn	29·73	59	z	0	o	29·74	+·07	55	53	−4	W	1	b	1	63	48	—	*	0·21
	Aberdeen ...	29·74	55	S	2	op	29·76	+·02	58	55	+4	S	1	b	2	58	52	orm,op	0·0	0·31
	Leith	29·73	64	WSW	2	o	29·77	+·06	60	55	−1	NE	1	bm	*	68	50	—	*	—
	North Shields ...	29·75	59	NNW	2	c	29·80	+·08	60	56	+2	SSW	3	cm	2	61	49	r,c	*	1·42
	Spurn Head ...	29·79	60	WNW	3	c	29·89	+·12	59	56	0	SW	3	c	2	62	52	—	*	0·06
	Yarmouth ...	29·78	61	NW	3	r	29·89	+·09	59	52	−3	W	2	b	2	62	49	or	*	0·55
	Nottingham ...	29·82	65	NW	2	b	29·87	+·12	58	55	−1	SE	1	o	*	67	46	—	4·8	—
	Oxford	29·89	60	WSW	3	bc	29·88	+·10	56	55	−3	SSE	2	o	*	70	50	r,bc	*	0·31
	London (Brixton)...	29·83	67	W	3	c	29·90	+·11	62	56	0	SW	3	bc	*	69	49	or,op,b	3·0	0·26
GERMANY, &c.	The Scaw (Skagen)	29·95	66	z	0	bc	29·91	−·07	64	63	−1	S	1	m	0	73	57	—	*	—
	Fanö	29·91	61	ESE	2	b	29·87	−·14	65	62	+3	ESE	2	b	*	72	61	—	*	—
	Cuxhaven ...	29·92	68	E	2	o	29·88	−·14	61	59	+2	SW	1	or	*	68	59	—	*	—
	The Helder ...	29·80	64	SSE	1	r	29·90	+·01	62	58	−6	WNW	2	b	2	72	59	—	*	0·24
	Brussels	*	*	*	*	*	30·02	+·09	60	57	−4	SW	3	bc	*	67	53	—	*	2·25
	Berlin	29·95	67	E	3	b	29·92	−·08	64	62	+1	ESE	1	bc	*	79	57	—	*	—
	Frankfürt ...	29·92	61	S	2	r	29·99	−·02	59	56	−2	SW	2	o	*	77	57	—	*	0·35
	Munich	30·02	63	NE	1	o	30·10	−·03	58	56	+1	W	5	o	*	72	55	—	*	0·08
FRANCE.	C. Gris Nez ...	29·83	61	WSW	6	o	29·96	+·13	59	58	−3	WSW	4	o	4	64	57	—	*	0·35
	Brest	30·04	62	SW	3	c	29·83	−·09	60	60	+1	SW	4	o	4	68	57	—	*	0·12
	Lorient	30·06	63	W	4	c	29·89	−·05	62	62	+2	S	6	f	5	66	57	—	*	0·12
	Rochefort ...	30·04	69	NW	3	c	30·08	+·13	65	61	−1	SW	4	o	*	72	61	c	*	—
	Biarritz	30·19	66	W	3	o	30·19	+·11	64	58	−3	SSE	1	b	2	67	59	—	*	0·32
	Paris	29·96	66	NW	3	b	30·09	+·18	57	54	−6	SSW	3	b	*	69	49	—	*	0·12
	Belfort	29·98	59	W	3	o	30·06	+·06	57	56	−2	W	3	o	*	70	55	—	*	0·08
	Lyons	30·06	63	E	1	o	30·15	+·15	55	50	−9	NNW	2	bc	*	68	54	—	*	0·16
	Nice	29·97	69	z	0	o	29·85	−·14	68	66	−1	E	1	bc	1	81	61	—	*	—
	Perpignan ...	30·07	71	W	3	o	30·13	+·17	67	59	0	W	2	bc	*	84	62	—	*	—
SPAN. PEN.	Corunna																		*	
	Lisbon	30·23	67	NNW	5	b	30·28	+·10	70	63	+1	N	4	b	*	79	64	—	*	—
	Azores (P. Delgada)	30·36	69	NW	1	b	30·34	+·06	72	69	0	z	0	c	1	77	66	—	*	—
	" (Horta) ...	30·34	71	SSW	2	c	30·32	+·02	70	69	+1	SW	4	o	2	79	70	—	*	—

NOTE: *The Sunshine for London given in this Table is recorded on the Tower of the Wesleyan Training College, Westminster: the Sunshine entered to Dungeness is recorded at Littlestone-on-Sea.*

* *Observations for this column not generally received.*

† *Observations received too late for insertion in Charts on next page.*

WEATHER CHARTS

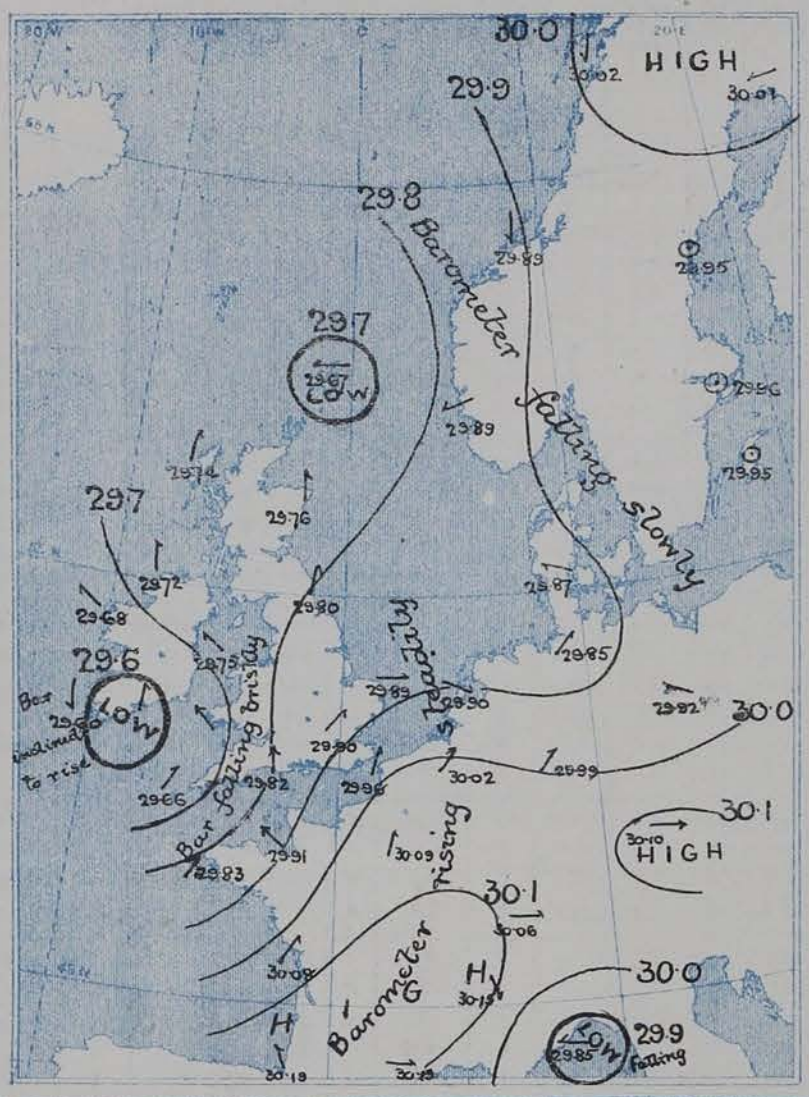
FOR MONDAY 27TH JULY, 1903.

I. BAROMETER, WIND AND SEA. *This Morning.*

BAROMETER.—Isobars are drawn for each tenth of an inch.
WIND.—Arrows show Directions and Force, flying with the wind.

Force above 10 ——→ ; *Force 5 to 7* ——→ ; *Force 8 to 10* ——→ ; *Force 1 to 4* ——→ ; } Calm ⊙

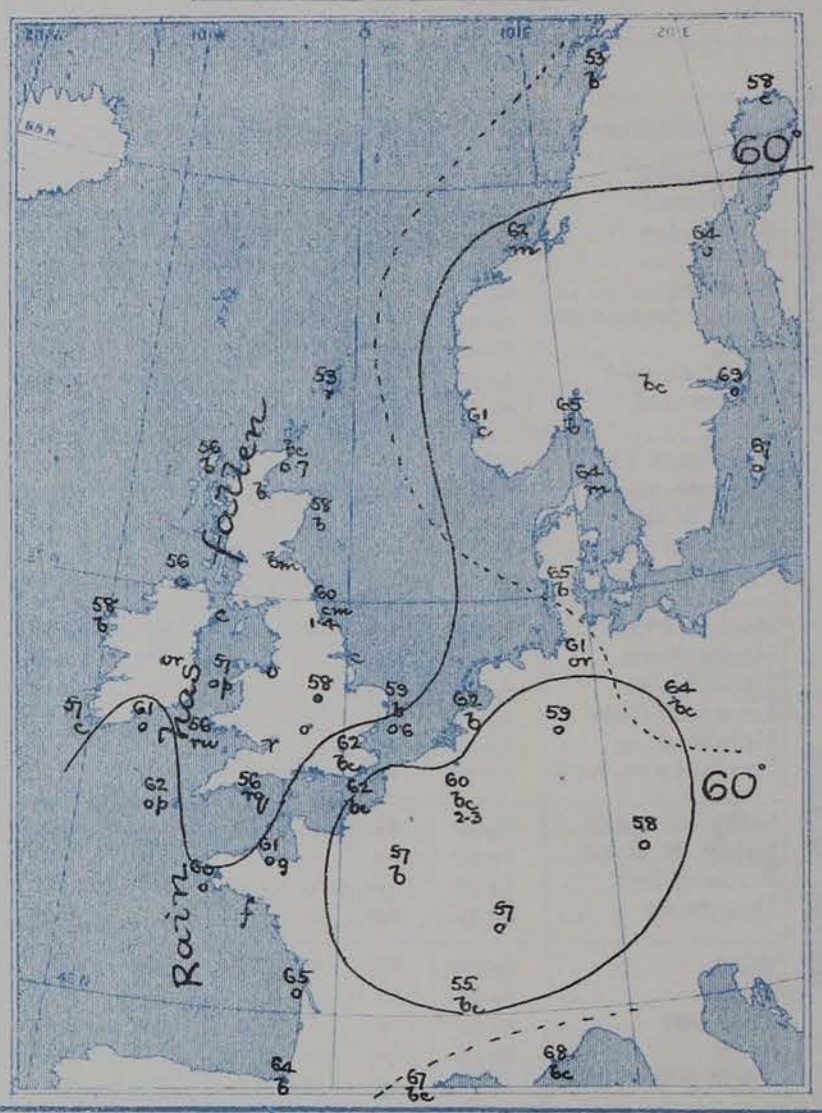
SEA.—Rough ▒ *High* ▓



II. TEMPERATURE AND WEATHER. *This Morning.*

TEMPERATURE.—Isotherms are drawn for each 10°.
WEATHER.—Shown by Letters of the Beaufort Scale. *(See P. 4.)*

RAINFALL.—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0·6

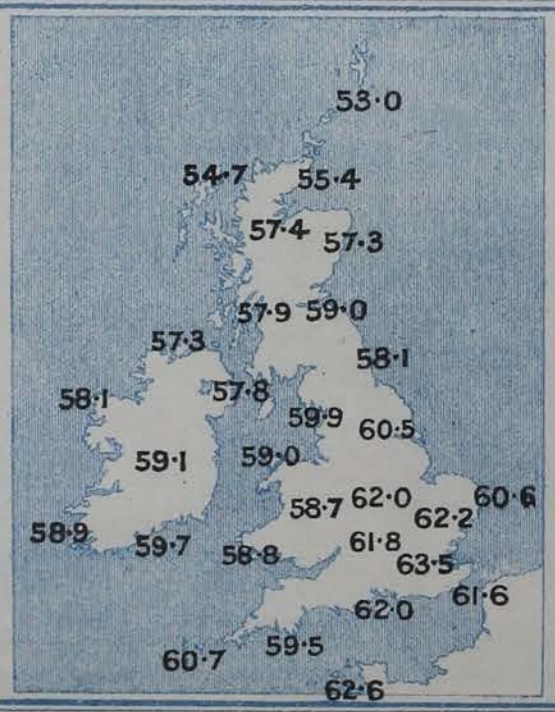


III. BAROMETER AND WIND

Yesterday morning.

IV. *Averages of* DAILY MAXIMUM *and* MINIMUM TEMERATURES

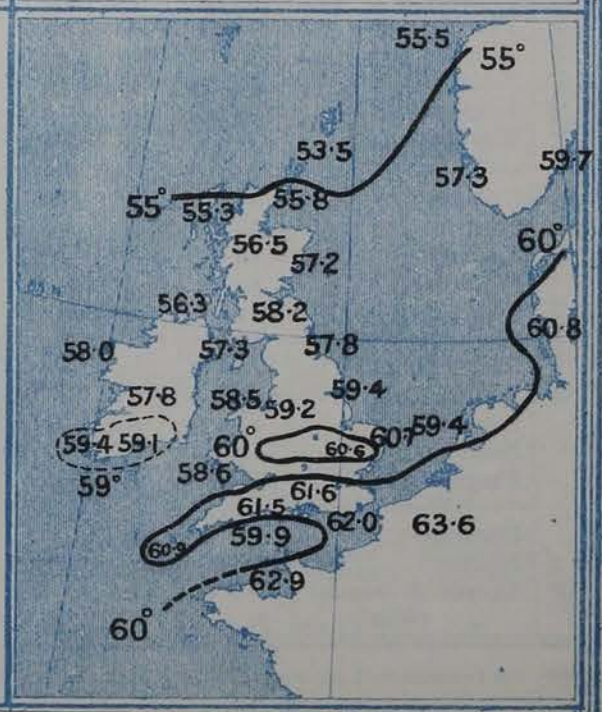
Combined for the month of JULY. *(1871-1900)*



V. *Means of* DAILY TEMPERATURE

at 8 A.M for the Two monthly period

JULY - AUGUST *(1871-1900)*



GENERAL SITUATION AT 8 A.M.

PRESSURE

Atmospheric pressure remains highest 30·0 ins. and upwards in an anticyclone over the northern half of Scandinavia and in another which is advancing across the north of Spain. The disturbance which appeared off the Irish coast yesterday has moved northeastwards and now lies to the westward of Scotland, but it has thrown off a shallow secondary which occupies England. Over Ireland and down to the mouth of the English Channel the barometer is rising rather decidedly, but over Great Britain generally it has given way considerably.

WIND

TEMPERATURE

WEATHER

AND

SEA

The winds are somewhat variable in direction, having drawn to the N. and W. at some of our southwestern stations, but elsewhere they are mainly from between SW and SE, mostly moderate to light in force, a fresh breeze being reported at Portland Bill and Jersey. Light and variable breezes prevail on the Continent. At the Irish stations the wind is backing. Over the eastern half of Ireland and in Wales and the southwest of England the weather is at present fine, but elsewhere it is very changeable and unsettled, with rain falling in many places. Fair or fine weather prevails on the Continent, rain falling only at Lorient. Temperature has fallen at the majority of our stations, and the present readings range from 51° at Dumbrugh Hd, 53° at Wick and 54° at Aberdeen and Donaghadee to 62° at Yarmouth and in London and 63° at Bath. At the Continental stations they range from 55° at Bodö, 57° at Haparanda and Munich and 59° at Brest, Belfort and Cuxhaven to 69° at Nice and 70° at Stockholm. The sea is rather rough off Pembroke, moderate to smooth on all other coasts.

During yesterday temperature attained a maximum of 70° at Nottingham, and 72° at Nairn, Leith and in London, while at Dumbrugh Hd it was 55° and at Wick and Aberdeen 56°. The duration of Bright Sunshine was very variable, from none at Parsonstown, Pembroke, and Aberdeen to 10·3 hrs in London and 11·5 hrs at Bournemouth. In the 24 hours ending at 8 am rain was experienced nearly everywhere, the amounts in the south of England being large, 0·82 in. at Bath, 0·92 in in London, 0·97 in at Portland Bill.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

FORECASTS*

For the 24 hours ending at NOON on 27th JULY 1903

DISTRICTS.		FORECASTS.
0	SCOTLAND NORTH	None issued
1	SCOTLAND EAST	
2	ENGLAND N.E.	
3	ENGLAND EAST	
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	
6	SCOTLAND WEST	
7	ENGLAND N.W.	
8	ENGLAND S.W.	
9	IRELAND NORTH	
10	IRELAND SOUTH	
	WARNINGS	NONE ISSUED. At 7·10 pm yesterday to district 6 and part of 0 Hoist South Cone. At 9·20 am today to districts 6 to 10 and parts of 0 & 5 Lower Cone

Note.—The **South Cone**, *point downwards* ( ), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the *North* Cone is hoisted in preference to the *South* Cone.

The **North Cone**, *point upwards* ( ), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the *South* Cone is hoisted in preference to the *North* Cone.

* *For terms for transmission of Forecasts by Telegraph, see next page*

ADDITIONAL OBSERVATIONS made at Stations in the UNITED KINGDOM.

TELEGRAPHIC REPORTS TO-DAY.	Yesterday 6 p.m.					This Morning 8 a.m.									Past 24 Hours.				
	Bar. Ins.	Temp. °	Wind Direc.	Wind Force	Weather.	Barometer. Ins.	Barometer. Change	Temperature Dry.	Temperature Wet.	Temperature Change	Wind Direc.	Wind Force	Weather.	Sea.	Temperature Max.	Temperature Min.	Weather	Sunshine. Hrs.	Rainfall Ins.
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	*	*	r	*	67	60	b, r	13.5	0.31
Bath	29.83	60	W	4	b	29.80	−.18	63	58	+3	W	3	b	*	66	57	—	4.8	0.82

REPORTS FOR YESTERDAY.

STATIONS.	Temperture F. Max.	Temperture F. Min.	Weather.	Sunshine. Hrs.	Rainfall. Ins.	STATIONS.	Temperature F. Max.	Temperature F. Min.	Weather.	Sunshine. Hrs.	Rainfall. Ins.
Southport, to 9 p.m.... ...	68	49	b, c, o	6.3	—	Broadstairs...	*	*	*		*
Rhyl, to 6 p.m.	*	*	*		*	Margate	71	50	bcv	11.3	0.07
Llandudno	*	*	*	4.1	*	Lowestoft, to 6 p.m. ...					
Aberystwyth, to 6 p.m. ...	63	54	o	0.0	0.19	Scarborough	*	*	*		*
Plymouth, to 9 p.m.... ...	61	54	or	0.0	0.61	Harrogate, to 6 p.m. ...	69	48	cw, bc	10.3	—
Worthing	*	*	*	7.3	*	Manchester, to 9 p.m. ...	71	63	bc, c	5.8	—
Brighton	*	*	*		*	Darwen, to 9 p.m.	66	48	om, bcp	4.6	0.01
Eastbourne, to 6 p.m. ...	*	*	*		*	Birmingham, to 9 p.m. ...	67	49	c, o	6.7	—
Hastings	*	*	*		*						

TEMPERATURE, WEATHER, and RAINFALL at additional FOREIGN STATIONS, mainly for the 24 hours ended at 8 a.m. yesterday.

STATIONS. 25th July 1903.	Temperature, F. Max.	Temperature, F. Min.	Weather.	Rain. Ins.	STATIONS.	Temperature, F. Dry.	Temperature, F. Wet.	Weather.	Rain. Ins.
					24th July 1903	1 p.m.		1 p.m.	Measured 7 a.m.
Marseilles	77	59	b, b	—	Geneva	63	*	c	0.12
Utrecht...	63	57	m, m	—	Berne	61	*	c	1.22
Copenhagen	70	57	b, b	—	Lucerne	64	*	o	1.02
Prague	75	57	o, b	—	Coire	61	*	o	0.28
Vienna	73	57	tr, bc	1.02	Castasegna	64	*	o	0.43
Buda-Pesth	77	61	tr, c	0.04	Lugano	70	*	bc	1.14
St. Petersburg	64	54	c, o	—					
Rome	83	64	c, b	—					
Malta	85	69	?, bc	—					
Madeira (Funchal) Not rec'd.									

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

TABLE SHOWING THE LOCAL STANDARD TIMES AND THE CORRESPONDING GREENWICH TIMES OF THE OBSERVATIONS RECORDED ON PAGE 1.

COUNTRIES, &c.	Hours of Morning Observations by Local Standard Time.	Corresponding Greenwich Times.	Hours of Evening Observations by Local Standard.	Corresponding Greenwich Times.
British Isles, Belgium† ...	8 a.m. (West European)	8 a.m.	6 p.m.‡ (W.E.T.)	6 p.m.‡
Holland	8 a.m. (" ")	8 a.m.	7 p.m. (W.E.T.)	7 p.m.
Germany, Denmark, Norway, Sweden	8 a.m. (Mid-European)	7 a.m.	8 p.m. (M.E.T.)	7 p.m.
France	7 a.m. (Paris)	6.51 a.m.	6 p.m. (Paris)	5.51 p.m.
Spain	8 a.m. (West European)	8 a.m.	6 p.m. (W.E.T.)	6 p.m.
Portugal	8 a.m. (Lisbon)	8.36 a.m.	3.23 p.m. (Lisbon)	4 p.m.
Azores: Ponta Delgada	6 a.m. (Local)	7.43 a.m.	9 p.m. (Local)	10.43 p.m.
Azores: Horta	6 a.m. (Local)	7.55 a.m.	9 p.m. (Local)	10.55 p.m.

TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON, AND SUNSET, FOR STATIONS IN THE UNITED KINGDOM, TO-DAY.

26th July, 1903.	Sunrise G.M.T.	Noon G.M.T.	Sunset G.M.T.
Yarmouth	4.4	11.59	7.53
Greenwich	4.16	12.6	7.56
Wick	3.51	12.18	8.45
Valencia	4.55	12.47	8.40

SUBSCRIPTIONS both for the Daily *and* Weekly Weather Reports *may be paid, in advance, to the* Meteorological Office.

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" Weekly " " " £1 10 0 " Single Copies, 6d.

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FORECASTS OF WEATHER for one day in advance are drawn up at the Meteorological Office at 11 a.m., and between 7 and 8 p.m. The latest forecast can be had by Reply Telegram, on paying at any Post Office in the United Kingdom **Sixpence in addition to the cost of the inquiry and reply Telegrams.** Information as to the Terms on which Forecasts can be sent daily, for a long or short period, may be obtained on application to the Meteorological Office, 63, Victoria Street, S.W., either personally or by post.

† The evening observations in Belgium are not given on page 1.

‡ At Oxford the observations are taken at 8 p.m.

DAILY WEATHER REPORT

for 8 a.m. on Tuesday, 28th JULY, 1903.

Issued by the METEOROLOGICAL OFFICE, 63, Victoria Street, London. W. N. SHAW, *Secretary.*

	STATIONS.	YESTERDAY EVENING. (See note on last page.) Barom. At 32° and M.S.L. Ins.	Temp. Dry Bulb. °	Wind. Direc.	Wind. Force (0 to 12.)	Weather	THIS MORNING. (See note on last page.) Barometer. At 32° Fahr. and M.S.L. Ins.	Change since Yesterday. Ins.	Temperature. Dry Bulb. °	Wet Bulb. °	Change since Yesterday. °	Wind. Direc.	Wind. Force (0 to 12.)	Weather.	Sea (0 to 9.)	PAST 24 HOURS. Temp. Max. °	Temp. Min. °	Weather	Sunshine. Hours.	Rainfall. Ins.
SCANDINAVIA.	Haparanda ...	30.01	54	NE	4	bc	30.06	+.05	55	49	-3	NE	2	b	*	68	50	—	*	—
	Hernösand ...	29.95	59	E	4	b	29.94	-.01	63	59	-1	E	4	0	*	75	54	—	*	—
	Stockholm ...	29.96	63	Z	0	b	29.91	-.05	68	60	-1	Z	0	b	*	77	61	—	*	—
	Wisby	29.96	61	NNE	2	b	29.92	-.03	65	62	-2	S	2	b	*	68	57	—	*	—
	Karlstad	29.89	71	Z	0	c	?		66	62	-1	E	2	bc	*	*	*	—	*	—
	Færder (X'iania Fjord)	29.89	66	SW	1	c	29.81	-.10	65	59	0	SSE	2	0	1	68	64	—	*	—
	Bodö	29.93	57	N	2	b	29.86	-.16	63	55	+10	E	4	b	1	63	50	—	*	—
	Christiansund ...	29.86	63	Z	0	c	29.79	-.10	60	57	-2	W	1	b	2	64	55	—	*	—
	Skudesnaes ...	29.86	58	NW	2	0	29.72	-.17	59	58	-2	E	2	0	2	63	57	0	*	*
BRITISH ISLANDS.	Sumburgh Head	29.74	53	W	3	c	29.75	+.08	51	51	-2	NE	1	0	4	55	48	c	*	0.15
	Stornoway ...	29.72	63	SE	3	0	29.65	-.09	58	55	+2	Z	0	0	0	65	45	c, 0	10.3	—
	Malin Head ...	29.69	56	Z	0	c	29.63	-.09	58	56	+2	SW	1	b	1	61	53	bbr, c	*	0.72
	Blacksod Pt. ...	29.69	60	W	3	b	29.63	-.05	59	56	+1	SE	2	bc	2	62	50	bc, b	*	0.01
	Valencia	29.76	60	W	2	bc	29.58	-.02	58	57	+1	NE	1	rm	3	61	51	0, bc	4.3	0.02
	Roche's Point ...	29.74	63	NNW	3	bc	29.60	+.02	58	57	-3	E	2	rm	1	64	52	0, bc	*	0.06
	Parsonstown ...	29.69	59	E	1	c	29.64	-.02	58	55	+4	E	1	b	*	60	48	cp	0.3	0.08
	Donaghadee ...	29.69	55	NE	1	og	29.67	-.10	57	55	+2	NE	1	b	1	59	48	og	*	0.01
	Liverpool Obsy.	29.58	59	SE	3	r	29.65	-.15	56	53	0	WNW	3	0	2	61	54	op	*	0.19
	Holyhead ...	29.58	57	WSW	1	f	29.67	-.08	59	57	+2	NW	1	cm	1	59	51	dgm, f	*	0.32
	Pembroke (St. Ann's)	29.65	59	WSW	6	0	29.63	-.01	57	56	+1	SE	4	op	4	61	55	—	0.6	0.04
	Scilly (St. Mary's)...	29.77	61	W	5	og	29.56	-.10	62	62	0	SW	5	r	4	65	58	cp, og	4.4	0.63
	Jersey (St. Aubins)...	29.87	62	W	6	ogmu	29.81	-.10	62	62	+1	SW	4	ormu	3	66	58	gbm, gmu	1.2	0.46
	Portland Bill ...	29.73	60	WSW	5	c	29.74	-.08	56	56	0	S	2	r	3	63	55	cp, c	*	0.24
	Dungeness ...	29.78	61	SSW	6	0	29.77	-.19	61	59	-1	WSW	5	c	4	65	59	c, og	4.8	0.10
	Wick	29.75	56	SE	2	c	29.69	-.04	53	51	-2	SE	3	0	2	63	50	—	*	0.02
	Nairn	29.70	60	SW	1	c	29.68	-.06	55	53	0	Z	0	0	1	66	46	—	*	0.07
	Aberdeen ...	29.75	57	SE	2	b	29.69	-.07	54	53	-4	NE	3	0	2	61	52	c, b	9.1	—
	Leith	29.70	57	ENE	1	r	29.64	-.13	55	54	-5	NE	2	rm	*	65	53	—	*	0.27
	North Shields ...	29.68	56	ESE	4	r	29.56	-.24	56	56	-4	NNW	2	d	3	67	52	c, p, r	*	0.73
	Spurn Head ...	29.67	62	SE	6	r	29.57	-.32	58	56	-1	W	5	0	3	66	56	—	*	0.58
	Yarmouth ...	29.75	61	SE	6	ogqr	29.64	-.25	59	55	0	W	4	c	3	62	55	cp, ogqr	*	0.39
	Nottingham ...	29.63	60	S	1	r	29.64	-.23	57	54	-1	SW	2	0	*	63	55	—	1.0	0.33
	Oxford	29.67	60	SW	3	0	29.71	-.17	59	56	+3	SW	2	c	*	63	54	or	*	0.28
	London (Brixton)...	29.70	62	SW	2	0	29.72	-.18	61	56	-1	SW	3	c	*	64	56	op, 0	3.6	0.09
GERMANY, &c.	The Scaw (Skagen)	29.88	68	S	1	c	29.77	-.14	64	62	0	SSE	3	r	1	75	63	—	*	0.12
	Fanö	29.87	60	W	2	0	29.76	-.11	61	58	-4	SE	4	c	*	70	52	—	*	0.04
	Cuxhaven ...	29.94	60	W	3	0	29.77	-.11	57	55	-4	SSE	4	r	*	64	54	—	*	0.08
	The Helder ...	29.85	65	SSE	1	0	29.63	-.27	62	60	0	WSW	3	0	3	66	59	—	*	0.63
	Brussels	*	*	*	*	*	29.82	-.20	61	57	+1	SW	4	0	*	72	57	—	*	0.20
	Berlin	29.98	66	W	1	b	29.96	+.04	62	59	-2	SSW	3	b	*	75	54	—	*	—
	Frankfürt ...	29.99	62	SW	1	b	29.88	-.11	61	58	+2	S	4	r	*	72	55	—	*	0.08
	Munich	30.13	58	SW	2	bc	30.09	-.01	60	57	+2	SE	3	c	*	66	48	—	*	—
FRANCE.	C. Gris Nez ...	29.78	61	SSW	5	r	29.76	-.20	60	58	+1	WSW	7	c	7	68	59	—	*	0.12
	Brest	29.94	62	W	4	0	29.83	.00	61	60	+1	SW	5	f	6	62	59	—	*	0.04
	Lorient	29.99	64	WNW	5	c	29.89	.00	63	61	+1	WSW	5	f	5	66	61	—	*	0.16
	Rochefort ...	30.04	67	SW	5	0	30.04	-.04	66	64	+1	WSW	5	0	*	?	?	f, 0	*	0.20
	Biarritz	30.22	74	W	1	0	30.19	.00	66	66	+2	WSW	2	0	3	75	64	—	*	—
	Paris	29.96	62	S	4	0	29.92	-.17	59	59	+2	SSW	3	0	*	71	57	—	*	0.04
	Belfort	30.04	66	W	3	b	30.02	-.04	57	56	0	W	4	0	*	69	52	—	*	—
	Lyons	30.10	70	NNW	1	b	30.11	-.04	64	57	+9	E	1	0	*	72	55	—	*	—
	Nice	29.91	70	WSW	1	b	30.00	+.15	69	63	+1	E	1	bc	0	79	61	—	*	—
	Perpignan ...	30.07	78	W	2	b	30.13	.00	74	65	+7	W	2	b	*	83	67	—	*	—
SPAN. PEN.	Corunna																		*	
	Lisbon	30.18	67	NNW	5	b	30.17	-.11	?68	64	-2	NNW	5	bc	*	81	64	—	*	—
	Azores (P. Delgada)																		*	
	" (Horta) ...	30.35	71	SW	2	0	30.36	+.04	71	70	+1	SW	3	bc	2	77	70	—	*	—

NOTE: *The Sunshine for London given in this Table is recorded on the Tower of the Wesleyan Training College, Westminster: the Sunshine entered to Dungeness is recorded at Littlestone-on-Sea*

* *Observations for this column not generally received.*

† *Observations received too late for insertion in Charts on next page.*

WEATHER CHARTS

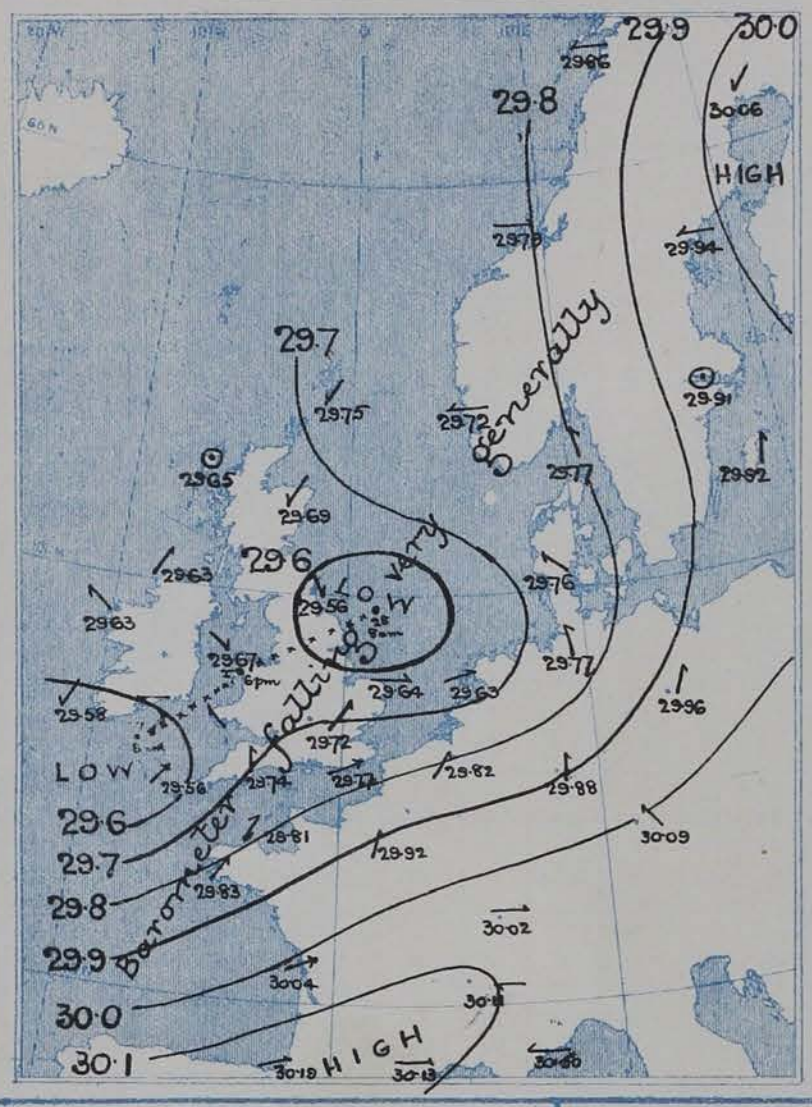
FOR TUESDAY, 28TH JULY, 1903.

I. BAROMETER, WIND AND SEA. *This Morning.*

BAROMETER.—Isobars are drawn for each tenth of an inch.
WIND.—Arrows show Directions and Force, flying with the wind.

Force above 10 — *Force 8 to 10* — *Force 5 to 7* — *Force 1 to 4* — Calm ⊙

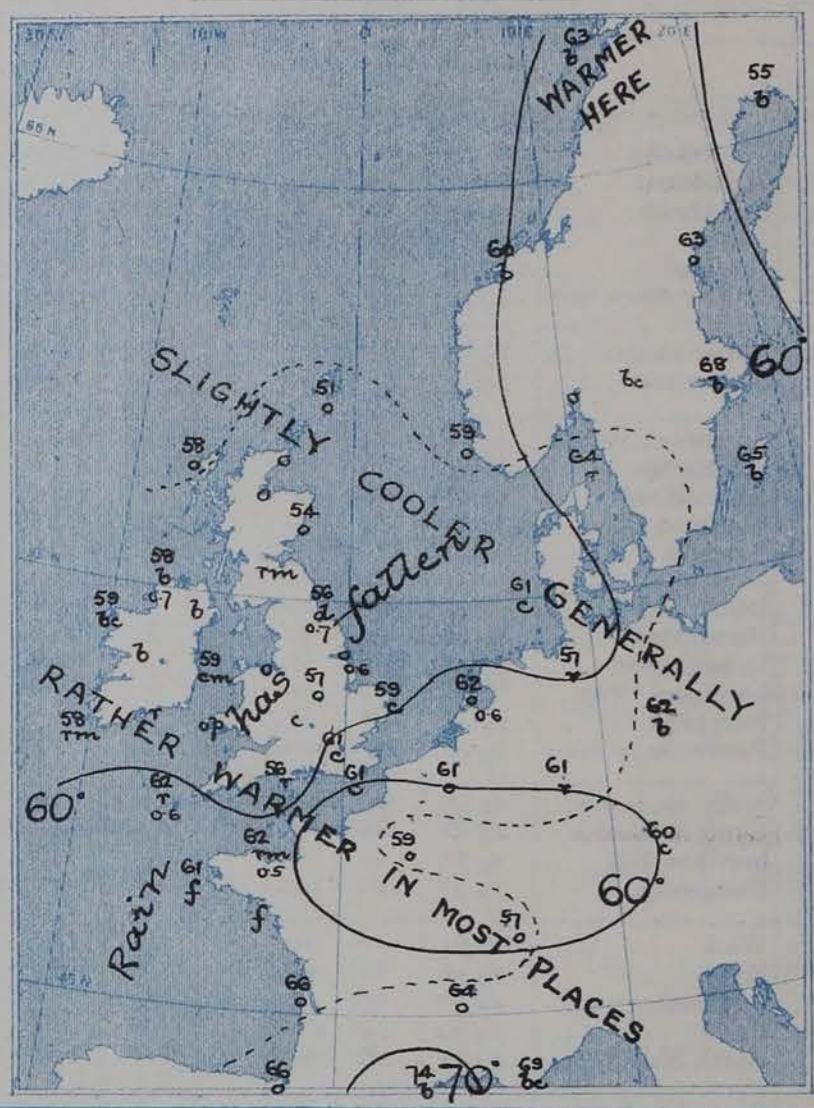
SEA.—Rough — *High*



II. TEMPERATURE AND WEATHER. *This Morning.*

TEMPERATURE.—Isotherms are drawn for each 10°.
WEATHER.—Shown by Letters of the Beaufort Scale. *(See P. 4.)*

RAINFALL.—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0·6

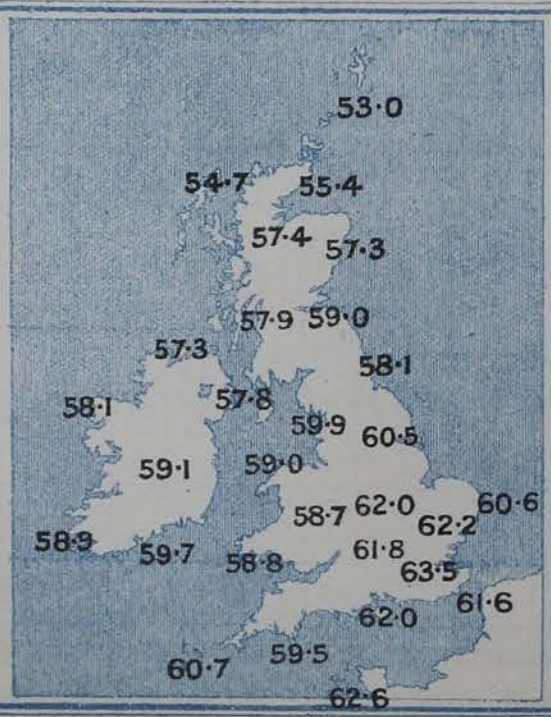


III BAROMETER AND WIND

Yesterday morning.

IV. *Averages of* DAILY MAXIMUM *and* MINIMUM TEMERATURES

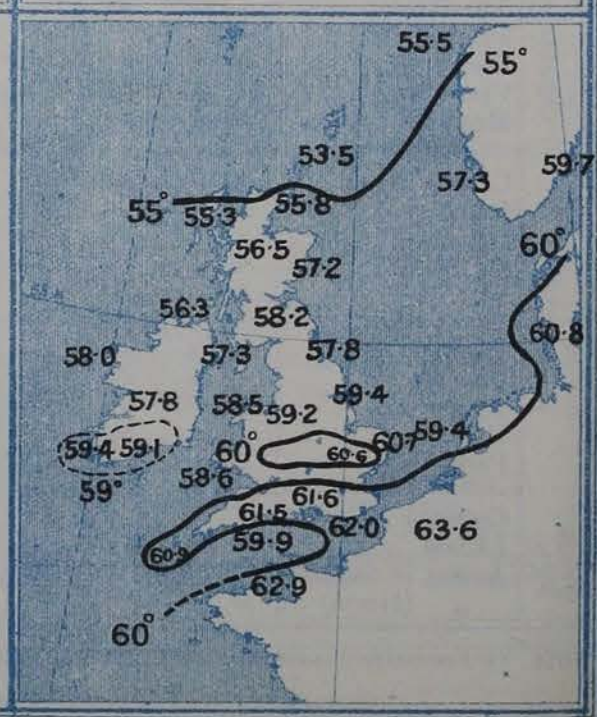
Combined for the month of JULY. *(1871-1900)*



V. *Means of* DAILY TEMPERATURE

at 8 A.M for the Two monthly period

JULY - AUGUST *(1871-1900)*



GENERAL SITUATION AT 8 A.M.

PRESSURE

A disturbance which was yesterday situated to the westward of Scotland is this morning moving eastward over the Pentland Firth, and its secondary has passed to the eastern side of the North Sea. In the course of the night a new depression has arrived from the Atlantic and has occasioned a brisk decline of the barometer on our south western coasts, the centre being now off the south of Ireland, where the barometer is below 29.6 ins. Another low pressure area has appeared on the Riviera, the barometer having fallen to 29.85 ins. An anticyclone occupies Spain and the South of France, and another the northern portion of Scandinavia.

WIND

The winds are very variable in direction, a cyclonic circulation being shown over the north of Scotland, Easterly in the Shetlands, Westerly on the mainland. There is another circulation round the western disturbance, South Westerly to Southerly and South Easterly winds being reported generally over Ireland and England, but already on the coast of Kerry there has been a shift into North. Light or moderate breezes prevail in most localities, but a strong wind is reported at Pembroke and Portland Bill. Calms and light variable breezes prevail in most parts of the continent, a strong Southerly wind being reported at Lorient.

TEMPERATURE

The weather is fine and bright at many of our northern and eastern stations, but elsewhere it has become very unsettled, with rain and an ugly appearance in several places. Of the continental stations only Cuxhaven reports rain. Temperature has changed irregularly but is generally higher at the northern stations and lower in the west and south west. Readings range from 53° at Sumburgh Head at 54° at Parsonstown, to 62° at Scilly, Dungeness and in London.

WEATHER AND SEA

The sea is rather rough off Pembroke, moderate to smooth elsewhere.

During yesterday temperature reached 70° at Oxford only, and Wick and Sumburgh Head did not exceed 56°. At Shields 1·4 in. of rain fell, and at Brussels 2·25 hr. Bright sunshine varied considerably, from 1·4 hr. at Cleeton and Broadstairs and 1·5 hr. at Margate to 13·2 hours at Pembroke.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

With the north-eastern spur of the Atlantic anticyclone extending into France the type of conditions over the British Isles remains very unsettled. The disturbance in the west will probably move eastward or north eastward, producing a good deal of rain in its course. The conditions are favourable to its being followed by another depression shortly.

FORECASTS*

For the 24 hours ending at NOON on 28th July 1903

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH 1 SCOTLAND EAST	Light variable breezes, finally S.ly to SE.ly: fine to unsettled and showery.	6 SCOTLAND WEST	Same as Nos. 0 and 1.
2 ENGLAND N.E. 3 ENGLAND EAST 4 MIDLAND COUNTIES	S.ly to SE.ly breezes, light or moderate: changeable, fair to showery.	7 ENGLAND N.W.	SE.ly winds, light to fresh; unsettled, showery.
5 ENGLAND SOUTH	SW.ly to SE.ly winds, moderate to strong on coast, light inland: changeable, some rain.	8 ENGLAND S.W.	Same as No. 5.
		9 IRELAND NORTH	S.ly to SE.ly breezes, light or moderate; fair to unsettled, some showers.
		10 IRELAND SOUTH	S.ly breezes, shifting to N. or NW. light or moderate: unsettled and showery at first, improving later.
		WARNINGS	NONE ISSUED.

Note.—The **South Cone**, *point downwards* ( ), means that gales, or strong winds, are probable, at first from the Southward (from S.E. ~~round by S.~~ to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the *North* Cone is hoisted in preference to the *South* Cone.

The **North Cone**, *point upwards* ( ), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the *South* Cone is hoisted in preference to the *North* Cone.

* *For terms for transmission of Forecasts by Telegraph, see next page.*

ADDITIONAL OBSERVATIONS made at Stations in the UNITED KINGDOM.

TELEGRAPHIC REPORTS TO-DAY.	Yesterday 6 p.m. Bar. Ins.	Temp. °	Wind Direc.	Wind Force	Weather.	This Morning 8 a.m. Barometer. Ins.	Barometer Change	Temperature Dry.	Temperature Wet.	Temperature Change	Wind Direc.	Wind Force	Weather.	Sea.	Past 24 Hours. Temperature Max.	Temperature Min.	Weather	Sunshine. Hrs.	Rainfall Ins.
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	*	*	b	*	65	51	zr, bc	1·4	0·62
Bath	29·89	60	W	3	bc	29·83	+·03	57	56	−6	SE	3	r	*	68	47	—	11·2	0·09

REPORTS FOR YESTERDAY.

STATIONS.	Temperture F. Max.	Temperture F. Min.	Weather.	Sunshine. Hrs.	Rainfall. Ins.
Southport, to 9 p.m.... ...	63°	57°	or, b	8·8	0·16
Rhyl, to 6 p.m.	*	*	*	11·0	*
Llandudno	*	*	*	10·2	*
Aberystwyth, to 6 p.m. ...	67	58	bc	10·0	—
Plymouth, to 9 p.m. Not Recd.					
Worthing	*	*	*	7·3	*
Brighton	*	*	*	6·8	*
Eastbourne, to 6 p.m. ...	*	*	*	5·8	*
Hastings	*	*	*	8·6	*

STATIONS.	Temperature F. Max.	Temperature F. Min.	Weather.	Sunshine. Hrs.	Rainfall. Ins.
Broadstairs...	*	*	*	1·4	*
Margate	67	59	r, zr, b	1·5	0·21
Lowestoft, to 6 p.m. Not recd.					
Scarborough	*	*	*	0·0	*
Harrogate, to 6 p.m. ...	66	56	or, bc	3·8	0·49
Manchester, to 9 p.m. ...	67	57	r, c, bc	6·5	0·47
Darwen, to 9 p.m.	66	55	ogrm, bcw	6·9	0·38
Birmingham, to 9 p.m. ...	67	56	r, c, b	6·2	0·85

TEMPERATURE, WEATHER, and RAINFALL at additional FOREIGN STATIONS, mainly for the 24 hours ended at 8 a.m. yesterday.

STATIONS. 26th July 1903.	Temperature, F. Max.	Temperature, F. Min.	Weather.	Rain. Ins.
Obsns. not received.				
Marseilles				
Utrecht...				
Copenhagen				
Prague				
Vienna				
Buda-Pesth				
St. Petersburg				
Rome				
Malta				
Madeira (Funchal)				

STATIONS. 25th July 1903	Temperature, F. Dry. 1 p.m.	Temperature, F. Wet.	Weather. 1 p.m.	Rain. Ins. Measured 7 a.m.
Geneva	66	*	b	—
Berne	66	*	c	0·16
Lucerne	68	*	b	0·28
Coire	64	*	c	0·04
Castasegna	73	*	b	—
Lugano	81	*	b	—

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

TABLE SHOWING THE LOCAL STANDARD TIMES AND THE CORRESPONDING GREENWICH TIMES OF THE OBSERVATIONS RECORDED ON PAGE 1.

COUNTRIES, &c.	Hours of Morning Observations by Local Standard Time.	Corresponding Greenwich Times.	Hours of Evening Observations by Local Standard.	Corresponding Greenwich Times.
British Isles, Belgium† ...	8 a.m. (West European)	8 a.m.	6 p.m.‡ (W.E.T.)	6 p.m.‡
Holland	8 a.m. (" ")	8 a.m.	7 p.m. (W.E.T.)	7 p.m.
Germany, Denmark, Norway, Sweden	8 a.m. (Mid-European)	7 a.m.	8 p.m. (M.E.T.)	7 p.m.
France	7 a.m. (Paris)	6.51 a.m.	6 p.m. (Paris)	5.51 p.m.
Spain	8 a.m. (West European)	8 a.m.	6 p.m. (W.E.T.)	6 p.m.
Portugal	8 a.m. (Lisbon)	8.36 a.m.	3.23 p.m. (Lisbon)	4 p.m.
Azores { Ponta Delgada	6 a.m. (Local)	7.43 a.m.	9 p.m. (Local)	10.43 p.m.
Azores { Horta	6 a.m. (Local)	7.55 a.m.	9 p.m. (Local)	10.55 p.m.

TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON, AND SUNSET, FOR STATIONS IN THE UNITED KINGDOM, TO-DAY.

27th July, 1903.	Sunrise G.M.T.	Noon G.M.T.	Sunset G.M.T.
Yarmouth	4·5	11·59	7·52
Greenwich	4·17	12·6	7·55
Wick	3·53	12·18	8·43
Valencia	4·56	12·47	8·39

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† The evening observations in Belgium are not given on page 1.

‡ At Oxford the observations are taken at 8 p.m.

DAILY WEATHER REPORT

for 8 a.m. on Wednesday, 29TH JULY, 1903.

Issued by the METEOROLOGICAL OFFICE, 63, Victoria Street, London. W. N. SHAW, *Secretary.*

	STATIONS.	YESTERDAY EVENING. (See note on last page.) Barom. At 32° and M.S.L. Ins.	Temp. Dry Bulb. °	Wind. Direc.	Wind. Force (0 to 12.)	Weather	THIS MORNING. (See note on last page.) Barometer. At 32° Fahr. and M. S. L. Ins.	Barometer. Change since Yesterday. Ins.	Temperature. Dry Bulb. °	Temperature. Wet Bulb. °	Temperature. Change since Yesterday. °	Wind. Direc.	Wind. Force (0 to 12.)	Weather.	Sea (0 to 9.)	PAST 24 HOURS. Temp. Max. °	Temp. Min. °	Weather	Sunshine. Hours.	Rainfall. Ins.
SCANDINAVIA.	Haparanda ...	29.97	57	W	2	0	29.98	-.08	59	52	+4	NNE	2	0	*	64	50	—	*	—
	Hernösand ...	29.89	55	Z	0	b	29.82	-.12	60	57	-3	E	2	0	*	66	55	—	*	—
	Stockholm ...	29.83	64	SSE	2	0	29.76	-.15	68	61	0	Z	0	c	*	73	55	—	*	—
	Wisby	29.86	63	S	2	b	29.73	-.19	70	64	+5	SE	2	bc	*	75	59	—	*	—
	Karlstad	29.78	64	Z	0	bc	29.67	—	63	59	-3	SE	4	c	*	*	*	—	*	0.04
	Færder (X'iania Fjord)	29.72	63	SSE	2	0	29.58	-.23	61	59	-4	SE	4	r	2	66	59	—	*	0.12
	Bodö	29.78	65	E	4	b	29.80	-.06	60	53	-3	E	5	bc	2	70	52	—	*	—
	Christiansund ...	29.69	59	Z	0	0	29.57	-.22	63	57	+3	NE	1	bc	1	66	55	—	*	0.08
	Skudesnaes ...	29.63	60	Z	0	0	29.44	-.28	59	58	0	E	4	r	2	61	57	c, 0	*	*
BRITISH ISLANDS.	Sumburgh Head	29.64	50	NE	3	c	29.46	-.29	53	53	+2	NE	2	f	3	55	49	0, c	*	—
	Stornoway ...	29.60	59	ESE	2	0	29.56	-.09	56	53	-2	ESE	2	0	4	64	50	0	7.3	—
	Malin Head ...	29.61	59	Z	0	bc	29.55	-.08	56	54	-2	SW	3	cp	2	62	51	0, bc	*	0.37
	Blacksod Pt. ...	29.65	60	WNW	4	b	29.55	-.08	57	55	-2	WSW	5	cpm	5	63	53	r, b	*	0.52
	Valencia	29.76	60	WNW	4	bc	29.74	+.16	57	54	-1	WSW	6	op	6	62	54	op, bc	2.0	0.13
	Roche's Point ...	29.66	60	NNW	4	0	29.75	+.15	57	53	-1	W	3	b	2	64	52	or, 0	*	0.12
	Parsonstown ...	29.63	60	Z	0	c	29.66	+.02	54	53	-4	W	2	og	*	67	51	cp	5.2	0.28
	Donaghadee ...	29.61	57	NNW	1	0	29.59	-.08	56	55	-1	NW	2	bc	2	61	52	—	*	0.15
	Liverpool Obsy.	29.58	58	NW	2	bc	29.60	-.05	56	54	0	WNW	5	c	4	63	55	—	*	—
	Holyhead ...	29.61	57	NW	1	c	29.64	-.03	57	55	-2	WNW	4	bc	3	63	52	f, c	*	—
	Pembroke (St. Ann's)	29.62	57	NW	2	0	29.70	+.07	57	54	0	WNW	6	bcq	5	62	55	oqp	0.0	0.15
	Scilly (St. Mary's)...	29.68	60	WNW	5	cp	29.80	+.24	60	57	-2	WNW	5	cp	4	64	57	f, cp	1.0	0.11
	Jersey (St. Aubins)...	29.69	63	SW	6	ofd	29.85	+.04	59	56	-3	W	6	og	5	66	58	omf, q	0.0	0.35
	Portland Bill ...	29.56	60	WSW	5	f	29.73	-.01	58	55	+2	WNW	5	bc	3	60	56	f	*	0.43
	Dungeness ...	29.58	61	WSW	5	r	29.65	-.12	59	57	-2	NW	3	cg	2	62	57	md, r	2.5	0.32
	Wick	29.64	55	SE	1	0	29.53	-.16	51	49	-2	WNW	3	0	1	58	48	—	*	0.05
	Nairn	29.59	57	E	1	bc	29.54	-.14	53	51	-2	Z	0	0	0	60	48	—	*	—
	Aberdeen ...	29.61	52	NNE	3	org	29.52	-.17	51	50	-3	NW	3	or	2	54	49	op, org	0.0	0.33
	Leith	29.60	55	NE	1	0	29.52	-.12	55	54	0	NW	1	orm	*	56	52	—	*	0.26
	North Shields ...	29.52	55	NNW	3	d	29.53	-.03	54	52	-2	WNW	2	0	3	57	50	d, r	*	0.07
	Spurn Head ...	29.54	63	WSW	3	bc	29.55	-.02	57	55	-1	WNW	4	c	2	58	54	—	*	—
	Yarmouth ...	29.54	65	SSW	3	c	29.55	-.09	61	56	+2	WNW	4	c	3	68	54	bc, c	*	0.02
	Nottingham ...	29.54	66	W	1	b	29.58	-.06	59	55	+2	W	1	0	*	68	53	—	5.1	—
	Oxford	29.57	62	W	1	0	29.65	-.06	56	55	-3	SW	2	or	*	66	54	od, r	*	0.15
	London (Brixton)...	29.55	62	Z	0	ofr	29.64	-.08	60	56	-1	WNW	2	0	*	65	55	op, rf	2.5	0.45
GERMANY, &c.	The Scaw (Skagen)	29.66	67	SSE	4	0	29.55	-.22	64	62	0	SE	3	c	1	68	61	—	*	0.28
	Fanö	29.63	59	SSW	2	b	29.44	-.32	61	60	0	Z	0	r	*	63	57	—	*	0.35
	Cuxhaven ...	29.69	64	SW	1	b	29.40	-.37	61	60	+4	W	2	or	*	64	57	b, r	*	1.02
	The Helder ...	29.57	62	SW	1	c	29.52	-.11	59	57	-3	WNW	3	0	2	64	59	—	*	0.35
	Brussels	*	*	*	*	*	?	—	59	59	-2	SW	4	r	*	68	58	—	*	1.69
	Berlin	29.81	68	SSW	2	c	?29.80	-.16	68	64	+6	S	3	0	*	75	61	—	*	0.04
	Frankfürt ...	29.74	62	S	4	r	29.65	-.23	66	62	+5	S	5	0	*	68	61	—	*	0.35
	Munich	30.03	60	SW	5	0	29.92	-.17	65	59	+5	SW	6	c	*	70	57	—	*	0.08
FRANCE.	C. Gris Nez ...	29.59	61	WSW	6	r	29.62	-.14	60	59	0	?	6	0	6	63	57	—	*	1.85
	Brest	29.80	62	NW	5	0	29.90	+.07	59	56	-2	WNW	3	0	5	63	57	—	*	0.04
	Lorient	29.84	63	W	6	f	29.94	+.05	59	57	-4	WNW	5	c	5	66	57	—	*	—
	Rochefort ...	29.97	68	WSW	6	r	29.97	-.07	64	61	-2	W	4	b	*	70	63	r	*	0.08
	Biarritz	30.11	72	N	2	b	30.10	-.09	67	66	+1	WNW	3	r	4	73	64	—	*	—
	Paris	29.78	69	SW	5	c	29.82	-.10	61	57	+2	WSW	3	0	*	71	59	—	*	0.20
	Belfort	29.91	67	SW	4	c	29.84	-.18	62	60	+5	WSW	7	0	*	68	57	—	*	0.08
	Lyons	29.99	75	SSE	1	b	29.95	-.16	67	59	+3	SSW	1	0	*	81	62	—	*	—
	Nice	29.99	69	Z	0	c	29.95	-.05	69	64	0	Z	0	b	0	81	61	—	*	—
	Perpignan ...	30.04	77	S	1	b	30.04	-.09	73	65	-1	W	1	c	*	89	65	—	*	—
SPAN. PEN.	Corunna																		*	
	Lisbon	30.13	67	NNW	5	b	30.12	-.05	71	66	+3	N	5	b	*	77	64	—	*	—
	Azores (P. Delgada)	30.42	72	Z	0	b	30.41	+.04	73	69	+1	N	4	c	1	81	64	—	*	—
	" (Horta) ...	30.44	74	Z	0	c	30.44	+.08	72	69	+1	Z	0	0	1	79	70	—	*	0.04

NOTE: *The Sunshine for London given in this Table is recorded on the Tower of the Wesleyan Training College, Westminster: the Sunshine entered to Dungeness is recorded at Littlestone-on-Sea.*

* *Observations for this column not generally received.*

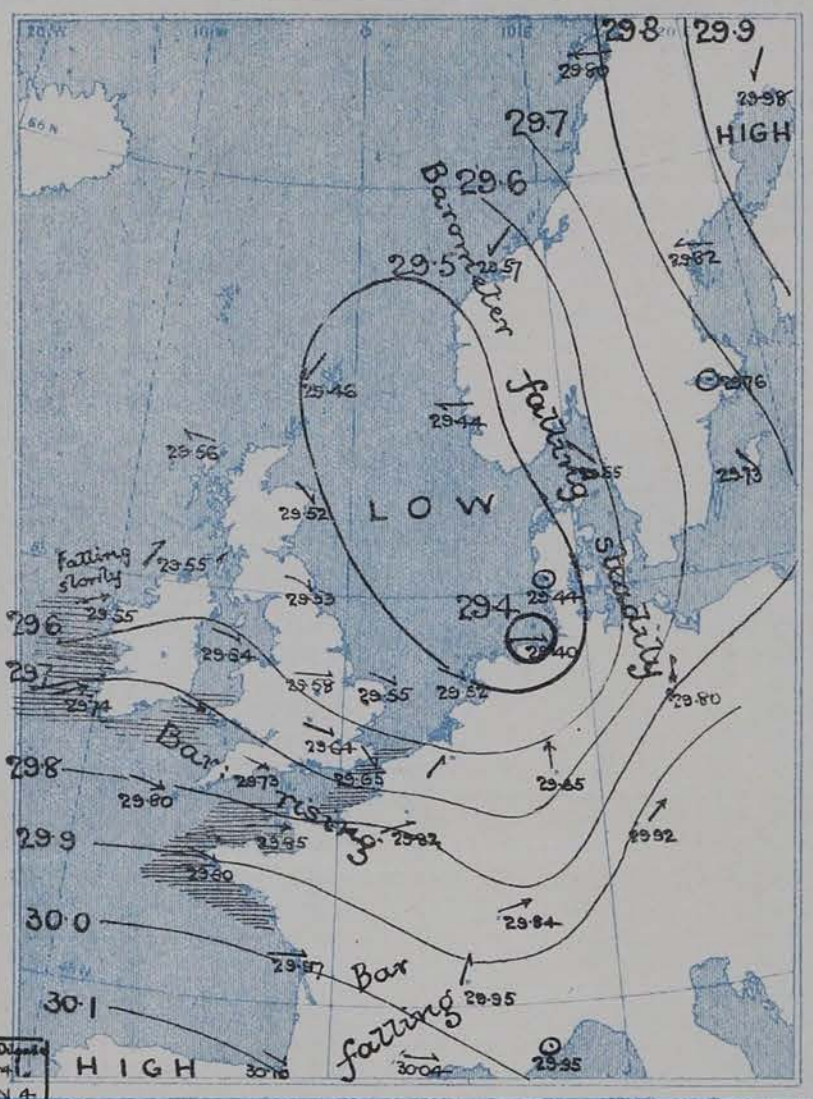
† *Observations received too late for insertion in Charts on next page.*

WEATHER CHARTS

FOR WEDNESDAY 29TH JULY, 1903.

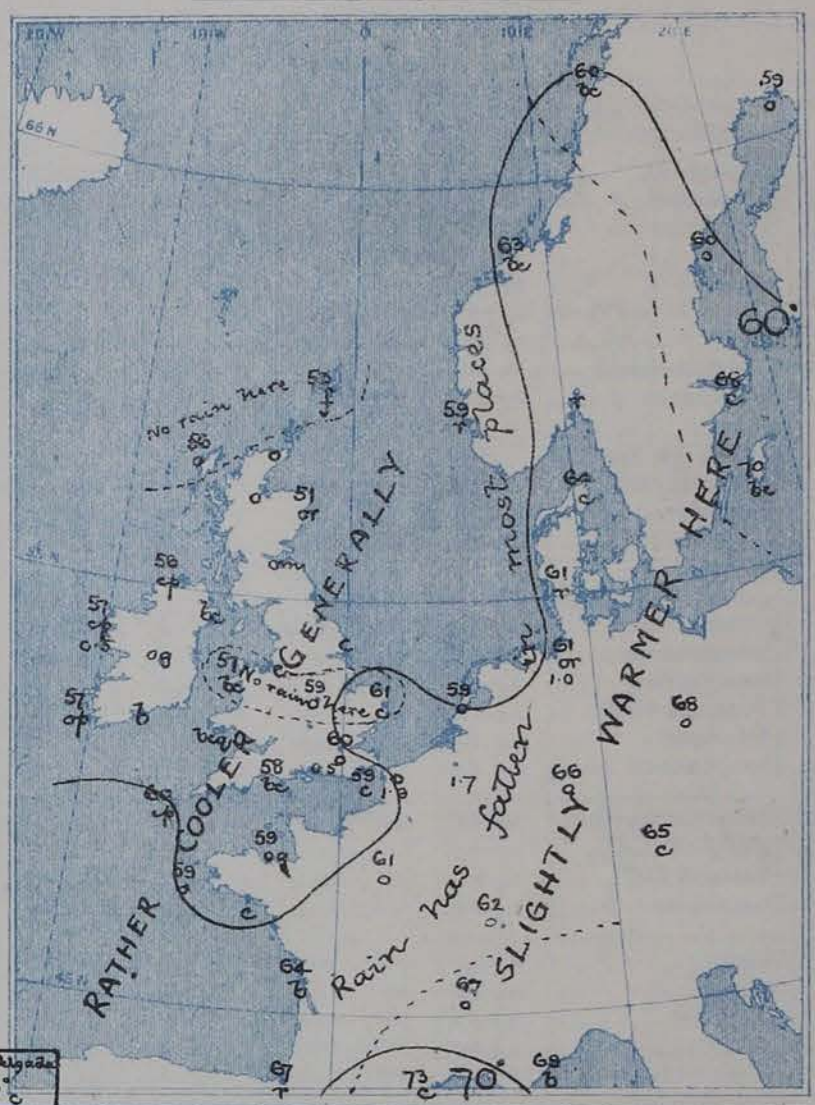
I. BAROMETER, WIND AND SEA. *This Morning.*

BAROMETER.—Isobars are drawn for each tenth of an inch.
WIND.—Arrows show Directions and Force, flying with the wind.
Force above 10 — *Force 8 to 10* — *Force 5 to 7* — *Force 1 to 4* — Calm ⊙
SEA.—Rough — *High*



II. TEMPERATURE AND WEATHER. *This Morning.*

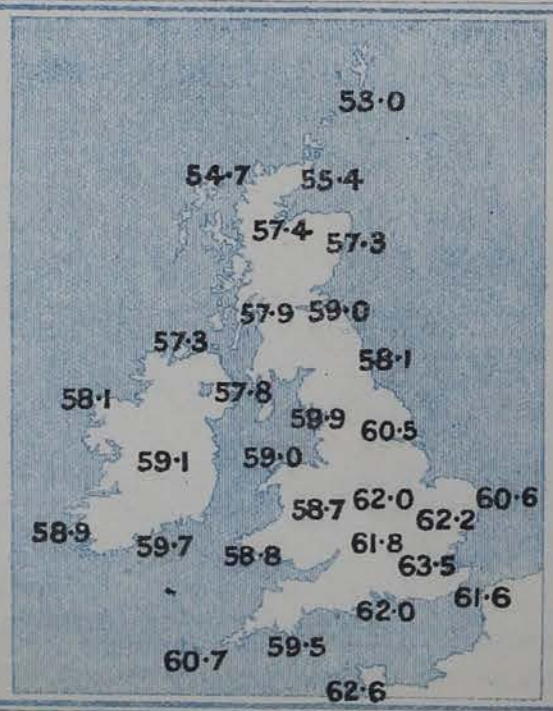
TEMPERATURE.—Isotherms are drawn for each 10°.
WEATHER.—Shown by Letters of the Beaufort Scale. *(See P. 4.)*
RAINFALL.—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0·6



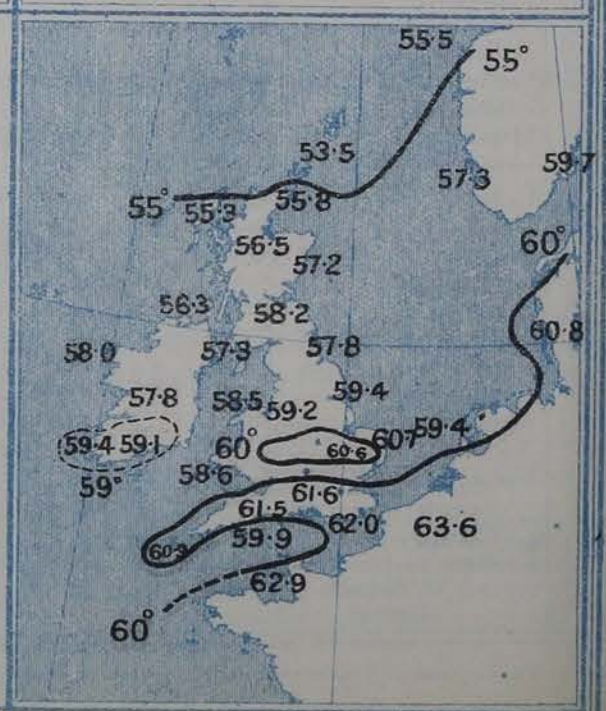
III BAROMETER AND WIND

Yesterday morning.

IV. *Averages of* DAILY MAXIMUM *and* MINIMUM TEMERATURES *Combined for the month of* JULY. *(1871-1900)*



V. *Means of* DAILY TEMPERATURE *at 8 A.M for the Two monthly period* JULY - AUGUST (1871-1900)



GENERAL SITUATION AT 8 A.M.

PRESSURE

The cyclonic system which arrived on the south coast of Ireland yesterday morning has since moved on a north-easterly course, and has now passed out to the North Sea, off the Yorkshire coast. In the course of the night, however, a new depression has appeared off our south-western coasts, where the barometer has again fallen below 29.6 ins, and the fall is spreading eastward. An anticyclone is still shown over the Spanish peninsula and the south of France, but the northern high pressure area is moving from Scandinavia into Russia

WIND TEMPERATURE WEATHER AND SEA

Fresh South-Westerly winds are blowing along the English Channel and down the Bay of Biscay, a moderate gale being reported on the French side of the Straits of Dover. A fresh Westerly breeze is blowing at the mouth of the Humber, but over the rest of the British Isles calms and light variable airs prevail, an Easterly current having set in over the greater part of Ireland. Light Southerly to Easterly breezes prevail over Scandinavia, and light or moderate Southerly to Westerly over the middle European countries. Fine clear weather is reported over the northern half of Ireland, and it is fair over the south-eastern counties of England. Elsewhere it is dull and unsettled, with rain at all Southern stations from the Fastnet eastward as far as Havre. Rain is also falling on the Forth and Tyne. The atmosphere is misty to foggy in the south-west. Rain is falling over Western Germany and in the north of Denmark. Temperature ranges from 51° at Sumburgh Head and 53° at Wick to 62° at Scilly and Jersey; on the Continent from 55° at Haparanda to 74° at Perpignan. A rough or high sea is running along the French coast, moderate to smooth round the British Isles.

Yesterday afternoon temperature touched 67° only at Brighton, Margate and Shields. At Mklin Head and Shields the rainfall exceeded 0.7 in. Bright sunshine was again very variable in amount. Several stations had none at all, while Stornoway had 10.3 hours.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The general type of conditions has undergone no important modification, the anticyclone to the south-westward still favouring the march of disturbances from the Atlantic to pass eastward or north-eastward across our islands. There is at present no indication of the immediate return of settled fine weather.

FORECASTS*

For the 24 hours ending at NOON on 29th July 1903

DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	Calms and light variable breezes, becoming E'ly light: dull and unsettled, some rain.
1 SCOTLAND EAST	
2 ENGLAND N.E.	W'ly and NW'ly breezes, light to fresh, then NE'ly, light: unsettled, some rain
3 ENGLAND EAST	W'ly to SW'ly breezes, light inland, fresh on coast; changeable, dull to rainy.
4 MIDLAND COUNTIES	
5 ENGLAND SOUTH	
6 SCOTLAND WEST	Same as Nos 0 and 1.
7 ENGLAND N.W.	Same as No 2.
8 ENGLAND S.W.	SW'ly to W'ly breezes, light to fresh; dull and unsettled, some rain.
9 IRELAND NORTH	Variable to light E'ly breezes: fine at first, then unsettled to rainy.
10 IRELAND SOUTH	Light to moderate E'ly to NE'ly breezes, unsettled and rainy at first, improving later.
WARNINGS	NONE ISSUED.

Note.—The **South Cone**, *point downwards* (▼), means that gales, or strong winds, are probable, at first from the Southward (from S.E. ~~round by S. to N.W.~~). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the *North* Cone is hoisted in preference to the *South* Cone.

The **North Cone**, *point upwards* (▲), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the *South* Cone is hoisted in preference to the *North* Cone.

* *For terms for transmission of Forecasts by Telegraph, see next page*

ADDITIONAL OBSERVATIONS made at Stations in the UNITED KINGDOM.

TELEGRAPHIC REPORTS TO-DAY.	Yesterday 6 p.m.					This Morning 8 a.m.									Past 24 Hours.				
	Bar. Ins.	Temp. °	Wind Direc.	Wind Force	Weather.	Barometer. Ins.	Barometer. Change	Temperature Dry.	Temperature Wet.	Temperature Change	Wind Direc.	Wind Force	Weather.	Sea.	Temperature Max.	Temperature Min.	Weather	Sunshine. Hrs.	Rainfall Ins.
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	*	*	bc	*	65	59	b,o	7.1	0.16
Bath	29.68	62	W	5	r	29.70	-.13	58	56	+1	S	1	r	*	66	52	–	0.0	0.13

REPORTS FOR YESTERDAY.

STATIONS.	Temperture F. Max.	Temperture F. Min.	Weather.	Sunshine. Hrs.	Rainfall. Ins.	STATIONS.	Temperature F. Max.	Temperature F. Min.	Weather.	Sunshine. Hrs.	Rainfall. Ins.
Southport, to 9 p.m.... ...	61	48	o,or,o	0.0	0.42	Broadstairs...	*	*	*	6.6	*
Rhyl, to 6 p.m....	*	*	*	0.3	*	Margate	67	50	r,b,c	5.7	0.37
Llandudno...	*	*	*	0.0	*	Lowestoft, to 6 p.m. ...	66	50	bc,or	6.3	0.13
Aberystwyth, to 6 p.m. ...	63	53	o	1.0	0.12	Scarborough	65	*	*	4.2	*
Plymouth, to 9 p.m.... ...	66	50	opq,bc	0.7	0.37	Harrogate, to 6 p.m. ...	63	49	bc,rm	2.8	0.23
Worthing	*	*	*	2.0	*	Manchester, to 9 p.m. ...	64	48	o,c,r,o	0.0	0.31
Brighton	67	*	*	2.2	*	Darwen, to 9 p.m.	59	46	or,om	0.0	0.77
Eastbourne, to 6 p.m. ...	63	*	*	3.8	*	Birmingham, to 9 p.m. ...	61	49	o,r,c	0.0	0.26
Hastings	*	*	*	3.8	*						

TEMPERATURE, WEATHER, and RAINFALL at additional FOREIGN STATIONS, mainly for the 24 hours ended at 8 a.m. yesterday.

STATIONS. 27th July 1903.	Temperature, F. Max.	Temperature, F. Min.	Weather.	Rain. Ins.	STATIONS. Obsns. not received. 26th July 1903	Temperature, F. Dry. 1 p.m.	Temperature, F. Wet.	Weather. 1 p.m.	Rain. Ins. Measured 7 a.m.
Marseilles	81	63	c, b	–	Geneva		*		
Utrecht...	72	54	r, b	0.32	Berne		*		
Copenhagen	70	61	c, o	–	Lucerne		*		
Prague	75	61	o, f	–	Coire		*		
Vienna	75	59	c, o	–	Castasegna		*		
Buda-Pesth	72	61	o, c	–	Lugano		*		
St. Petersburg	72	50	b, c	–					
Rome	84	62	b, c	–					
Malta	76	70	?, b	–					
Madeira (Funchal) Not rec.d									

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER,—*Beaufort Scale* is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

TABLE SHOWING THE LOCAL STANDARD TIMES AND THE CORRESPONDING GREENWICH TIMES OF THE OBSERVATIONS RECORDED ON PAGE 1.

COUNTRIES, &c.	Hours of Morning Observations by Local Standard Time.	Corresponding Greenwich Times.	Hours of Evening Observations by Local Standard.	Corresponding Greenwich Times.
British Isles, Belgium† ...	8 a.m. (West European)	8 a.m.	6 p.m. (W.E.T.)	6 p.m.
Holland	8 a.m. (" ")	8 a.m.	7 p.m. (W.E.T.)	7 p.m.
Germany, Denmark, Norway, Sweden	8 a.m. (Mid-European)	7 a.m.	8 p.m. (M.E.T.)	7 p.m.
France	7 a.m. (Paris)	6.51 a.m.	6 p.m. (Paris)	5.51 p.m.
Spain	8 a.m. (West European)	8 a.m.	6 p.m. (W.E.T.)	6 p.m.
Portugal	8 a.m. (Lisbon)	8.36 a.m.	3.23 p.m. (Lisbon)	4 p.m.
Azores: Ponta Delgada	6 a.m. (Local)	7.43 a.m.	9 p.m. (Local)	10.43 p.m.
Azores: Horta	6 a.m. (Local)	7.55 a.m.	9 p.m. (Local)	10.55 p.m.

TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON, AND SUNSET, FOR STATIONS IN THE UNITED KINGDOM, TO-DAY.

28th July, 1903.	Sunrise G.M.T.	Noon G.M.T.	Sunset G.M.T.
Yarmouth	4.6	11.59	7.51
Greenwich	4.18	12.6	7.54
Wick	3.55	12.18	8.41
Valencia	4.54	12.47	8.38

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† The evening observations in Belgium are not given on page 1.

‡ At Oxford the observations are taken at 8 p.m.

DAILY WEATHER REPORT

for 8 a.m. on Thursday, 30th JULY, 1903.

Issued by the METEOROLOGICAL OFFICE, 63, Victoria Street, London. W. N. SHAW, *Secretary.*

	STATIONS.	YESTERDAY EVENING. (See note on last page.) Barom. At 32° and M.S.L. Ins.	Temp. Dry Bulb. °	Wind. Direc.	Wind. Force (0 to 12.)	Weather	THIS MORNING. (See note on last page.) Barometer. At 32° At 32° Fahr. and M.S.L. Ins.	Change since Yesterday. Ins.	Temperature. Dry Bulb. °	Temperature. Wet Bulb. °	Change since Yesterday. °	Wind. Direc.	Wind. Force (0 to 12.)	Weather.	Sea (0 to 9.)	PAST 24 HOURS. Temp. Max. °	Temp. Min. °	Weather	Sunshine Hours.	Rainfall. Ins.
SCANDINAVIA.	Haparanda ...	29.89	59	E	2	c	29.84	-.14	61	57	+2	Z	0	0	*	68	50	—	*	—
	Hernösand ...	29.79	59	Z	0	0	29.66	-.16	62	59	+2	E	2	0	*	66	54	—	*	—
	Stockholm ...	29.61	64	SE	2	r	29.57	-.19	65	63	-3	S	2	c	*	73	57	—	*	0.47
	Wisby	29.56	63	SE	6	b	29.60	-.13	63	59	-7	S	2	r	*	75	57	bl	*	0.28
	Karlstad	29.42	63	ESE	4	r	29.48	-.19	61	58	-2	WNW	4	0	*	*	*	—	*	0.28
	Færder (X'iania Fjord)	29.31	61	NNE	6	r	29.37	-.21	61	58	0	S	6	bc	3	63	59	—	*	0.24
	Bodö	29.79	64	E	6	b	29.77	-.03	62	54	+2	E	5	b	2	68	57	—	*	—
	Christiansund ...	29.52	71	Z	0	c	29.39	-.18	63	58	0	SE	5	0	2	73	63	—	*	—
	Skudesnaes ...	29.42	62	N	2	bc	29.24	-.20	58	57	-1	N	4	r	2	64	57	c,bc	*	*
BRITISH ISLANDS.	Sumburgh Head	29.50	52	NE	2	0	29.46	.00	50	50	-3	WNW	5	0	5	55	48	0	*	—
	Stornoway ...	29.65	53	N	3	0	29.72	+.16	52	51	-4	N	4	0	4	61	48	0	2.6	—
	Malin Head ...	29.63	57	N	4	b	29.78	+.23	54	52	-2	NW	7	opq	4	60	52	b	*	0.07
	Blacksod Pt. ...	29.72	59	NNW	6	bcp	29.99	+.44	57	53	0	NW	5	c	4	61	54	cp,bcp	*	0.09
	Valencia	29.79	58	WNW	6	cq	30.03	+.29	57	54	0	NW	4	0	5	61	54	cqp	2.7	0.26
	Roche's Point ...	29.67	60	NW	6	cp	29.96	+.21	58	55	+1	NNW	4	bc	2	64	52	c,cp	*	0.03
	Parsonstown ...	29.63	56	SW	2	c	29.92	+.26	55	53	+1	NW	3	0	*	60	50	cp	1.3	0.69
	Donaghadee ...	29.60	59	NW	2	bc	29.76	+.17	57	55	+1	NW	5	cq	3	61	52	—	*	—
	Liverpool Obsy.	29.58	60	WNW	3	b	29.70	+.10	56	52	0	NW	5	0	4	62	54	—	*	0.01
	Holyhead ...	29.58	58	SW	2	bc	29.75	+.11	56	53	-1	NW	6	cqp	5	63	52	bc	*	0.01
	Pembroke (St. Ann's)	29.61	58	WSW	6	c	29.82	+.12	55	53	-2	NNW	6	cqqp	5	60	52	c,b	6.4	—
	Scilly (St. Mary's)...	29.75	59	W	7	c	29.89	+.09	59	56	-1	NNW	5	c	4	64	56	cp,c	8.9	0.07
	Jersey (St. Aubins)...	29.84	62	W	5	cmq	29.78	-.07	58	56	-1	WNW	5	cq	4	64	56	cq,mqp	6.5	0.09
	Portland Bill ...	29.72	58	W	5	cqp	29.75	+.02	57	54	-1	NW	5	bc	4	61	54	blr,cqp	*	0.23
	Dungeness ...	29.69	61	W	7	bcq	29.67	+.02	57	55	-2	NNW	3	c	2	66	53	bcq,blr	5.8	0.81
	Wick	29.59	54	NW	4	r	29.59	+.06	51	49	0	NNW	5	0	3	55	49	—	*	0.10
	Nairn	29.57	54	NNW	3	0	29.65	+.11	55	51	+2	WNW	3	c	2	60	50	—	*	0.06
	Aberdeen ...	29.51	53	WNW	4	orq	29.58	+.06	53	50	+2	WNW	6	oq	3	55	49	orq	0.0	0.52
	Leith	29.52	60	NW	1	c	29.63	+.11	55	53	0	W	1	0	*	64	51	c,p	*	0.63
	North Shields ...	29.54	53	SW	2	r	29.59	+.06	52	51	-2	NNW	3	r	3	57	50	op,r	*	0.50
GERMANY, &c.	Spurn Head ...	29.65	58	WNW	4	bq	29.58	+.03	57	55	0	WNW	5	cp	3	63	52	—	*	0.05
	Yarmouth ...	29.60	57	SW	2	blr	29.59	+.04	57	54	-4	WNW	4	b	3	64	48	blr,pbl	*	0.49
	Nottingham ...	29.61	59	W	1	bc	29.62	+.04	58	54	-1	W	2	0	*	64	47	—	5.9	0.02
	Oxford	29.64	57	SW	3	0	29.70	+.05	56	52	0	NW	3	0	*	64	51	opl,l	*	0.09
	London (Brixton)...	29.66	59	WNW	2	cr	29.67	+.03	57	53	-3	NW	2	bc	*	67	51	pblr,c	2.6	0.19
	The Scaw (Skagen)	29.22	58	W	6	r	29.38	-.17	59	57	-5	SW	4	0	1	66	58	—	*	0.91
	Fanö	29.46	59	WSW	4	r	29.50	+.06	58	55	-3	SSW	4	c	*	64	57	—	*	0.12
	Cuxhaven ...	29.55	62	W	4	b	29.60	+.20	56	54	-5	SW	3	0	*	63	55	—	*	0.04
	The Helder ...	29.57	58	NW	3	c	29.58	+.06	61	58	+2	WSW	2	c	1	64	57	—	*	0.16
	Brussels	*	*	*	*	*	29.70	—	56	53	-3	SW	3	r	*	68	50	—	*	0.39
	Berlin	29.64	66	SW	3	c	29.75	+.15	61	60	-7	SW	3	b	*	77	57	—	*	0.51
	Frankfürt ...	29.75	63	SW	2	0	29.77	+.12	57	54	-9	S	3	0	*	73	54	—	*	0.04
	Munich	29.91	66	SW	2	0	29.93	+.01	56	55	-9	SSW	5	0	*	75	54	—	*	0.32
FRANCE.	C. Gris Nez ...	29.69	59	W	6	bc	29.63	+.01	56	54	-4	WSW	4	r	5	63	54	—	*	0.55
	Brest	29.91	62	W	3	c	29.90	.00	58	55	-1	NW	4	c	4	64	55	—	*	—
	Lorient	29.95	62	WNW	5	0	29.86	-.08	59	55	0	WNW	5	c	5	64	57	—	*	—
	Rochefort ...	29.98	66	NW	4	c	29.95	-.02	64	60	0	WNW	5	c	*	72	57	c	*	—
	Biarritz	30.08	68	NW	3	c	30.10	.00	63	61	-4	W	2	0	3	72	61	—	*	0.16
	Paris	29.86	60	SW	3	0	29.80	-.02	58	55	-3	SW	3	c	*	69	53	—	*	0.04
	Belfort	29.86	62	WSW	4	0	29.86	+.02	56	54	-6	WSW	6	0	*	70	54	—	*	—
	Lyons	29.93	69	NE	1	0	29.95	.00	62	54	-5	W	2	b	*	79	58	—	*	0.04
	Nice	29.88	72	SW	1	b	29.87	-.08	67	62	-2	WSW	2	c	2	82	64	—	*	—
	Perpignan ...	30.00	71	Z	0	0	29.99	-.05	68	61	-5	W	2	0	*	83	67	—	*	—
SPAN. PEN.	Corunna																		*	
	Lisbon	30.06	66	NNW	5	b	30.02	-.10	66	59	-5	N	5	b	*	75	63	—	*	—
	Azores (P. Delgada)																		*	
	" (Horta) ...	30.45	73	Z	0	c	30.41	-.03	72	67	0	Z	0	b	2	79	68	—	*	—

NOTE: *The Sunshine for London given in this Table is recorded on the Tower of the Wesleyan Training College, Westminster: the Sunshine entered to Dungeness is recorded at Littlestone-on-Sea.*

* *Observations for this column not generally received.*

† *Observations received too late for insertion in Charts on next page.*

WEATHER CHARTS

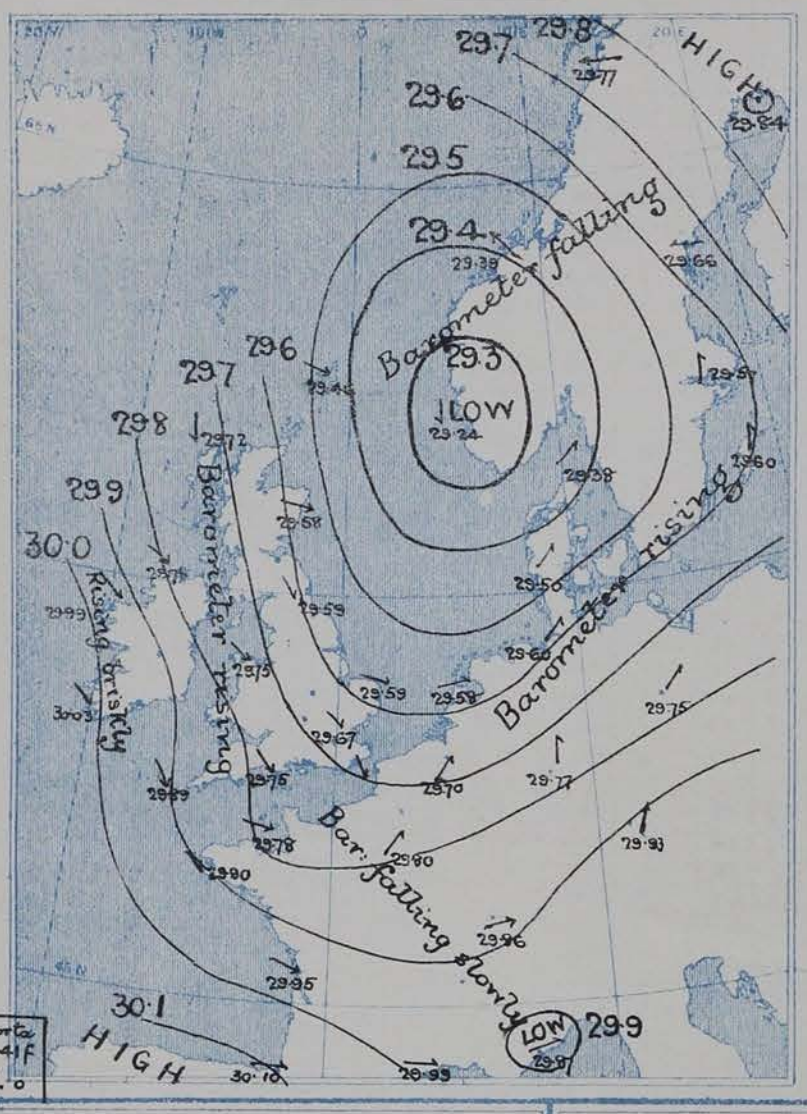
FOR THURSDAY 30TH JULY, 1903.

I. BAROMETER, WIND AND SEA. *This Morning.*

BAROMETER.—Isobars are drawn for each tenth of an inch.
WIND.—Arrows show Directions and Force, flying with the wind.

Force above 10 — *Force 8 to 10* — *Force 5 to 7* — *Force 1 to 4* — Calm ⊙

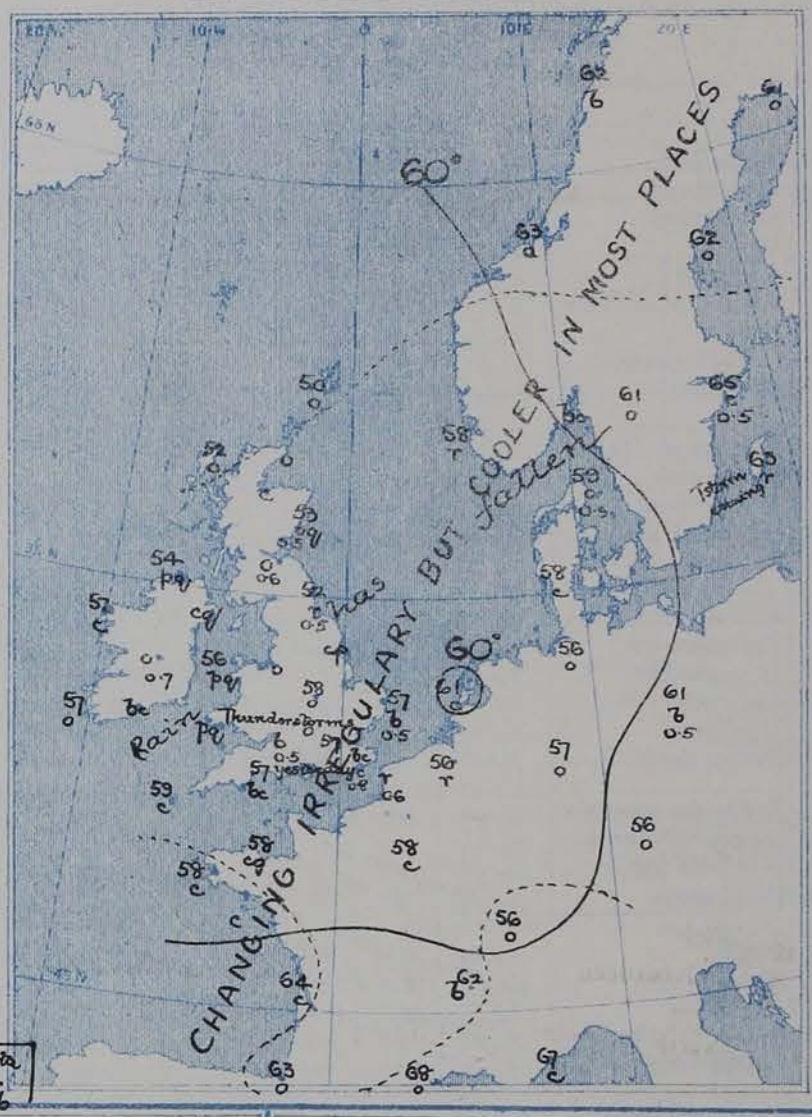
SEA.—Rough — *High*



II. TEMPERATURE AND WEATHER. *This Morning.*

TEMPERATURE.—Isotherms are drawn for each 10°.
WEATHER.—Shown by Letters of the Beaufort Scale. *(See P. 4.)*

RAINFALL.—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0·6

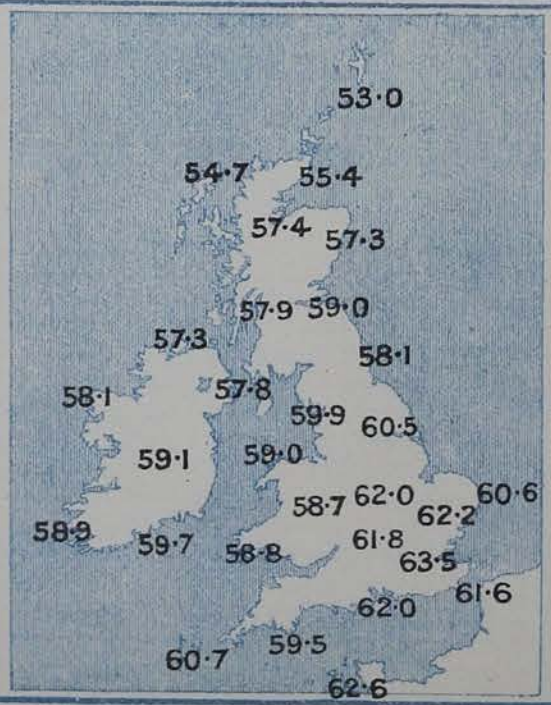


III. BAROMETER AND WIND

Yesterday morning.

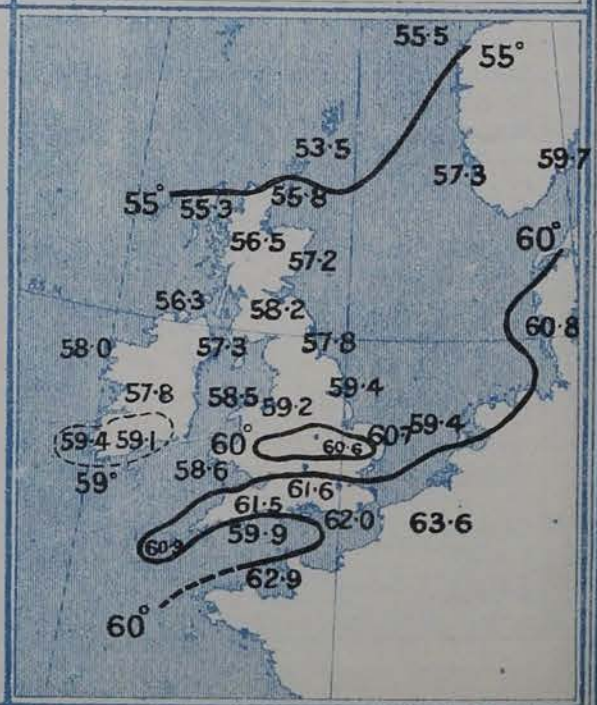
IV. *Averages of* DAILY MAXIMUM *and* MINIMUM TEMERATURES

Combined for the month of JULY. *(1871-1900)*



V. *Means of* DAILY TEMPERATURE

at 8 A.M for the Two monthly period JULY - AUGUST *(1871-1900)*



GENERAL SITUATION AT 8 A.M.

PRESSURE

The disturbances of the past two days have coalesced, one large system now occupying the whole of the North Sea region, the barometer being below 29.5 ins., and at the mouth of the Elbe it is at 29.4 ins. A new destine of pressure has, however, set in at our western stations in the course of the night and a disturbance is advancing on a north-easterly path off the Irish coast. The high pressure area over South-western Europe appears to be slowly withdrawing to the Atlantic.

WIND TEMPERATURE WEATHER AND SEA

A light Easterly breeze is reported in the Hebrides, and from North-East in the Shetlands, but generally over Great Britain the direction is West or West-North-West, light or moderate over the northern and eastern districts, fresh or strong on the western half of the English Channel and round to the Mersey. Along the west and south of Ireland the wind has drawn into South-West, fresh in force on the Mayo coast, strong at Valencia. At some of the French and German stations the current is strong from between West and South, a moderate gale blowing at Belfort. Over Scandinavia South-Easterly to Easterly winds prevail, light to fresh. The weather over our islands is mostly dull and unsettled, gloomy and threatening in places, and showers are falling at several stations. It is also of an unsettled character on the Continent, with rain in several localities. Temperature has decreased at the majority of the home stations, the readings ranging from 51° at Wick and Aberdeen to 60° at Scilly and in London. A rise has taken place at all stations between Paris and Berlin. The sea is rough at Valencia and at Gris Nez, rather rough off Blacksod and our south-western coasts.

Temperature rose to 69° at Birmingham and Harrogate yesterday, but up the north-east coasts the maxima were below 60°, at Aberdeen only 54°. Several stations had no sunshine, the amounts elsewhere ranging up to 11.3 hours at Southport. The heaviest rainfalls were 0.52 in. at Blacksod and 0.66 in. at Plymouth. On the Continent 1.02 in. at Cuxhaven, 1.69 in. at Brussels, and 1.85 in. at Gris Nez.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The distribution of pressure is still of a very unsettled character, with a tendency to thundery conditions over the Southern half of England. It is probable, however, that as the latest disturbance passes away, the barometer will rise and the weather undergo some improvement.

FORECASTS*

For the 24 hours ending at NOON on 30th July, 1903

DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	NWly to SWly breezes, light to fresh; cool, dull and unsettled, occasional rain.
1 SCOTLAND EAST	
2 ENGLAND N.E.	
3 ENGLAND EAST	NWly to Wly winds, light or moderate; unsettled, close and thundery, some rain.
4 MIDLAND COUNTIES	
5 ENGLAND SOUTH	
6 SCOTLAND WEST	SWly breezes, freshening; cool, unsettled to rainy.
7 ENGLAND N.W.	Same as Nos 0 to 2.
8 ENGLAND S.W.	Wly breezes, fresh or strong; close and thundery, some rain.
9 IRELAND NORTH	Same as No 6.
10 IRELAND SOUTH	Wly to SWly breezes, moderate to strong; cool, changeable, some rain.
WARNINGS	NONE ISSUED.

Note.—The **South Cone**, *point downwards* (▼), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the *North* Cone is hoisted in preference to the *South* Cone.

The **North Cone**, *point upwards* (▲), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the *South* Cone is hoisted in preference to the *North* Cone.

* *For terms for transmission of Forecasts by Telegraph, see next page.*

ADDITIONAL OBSERVATIONS made at Stations in the UNITED KINGDOM.

TELEGRAPHIC REPORTS TO-DAY.	Yesterday 6 p.m.					This Morning 8 a.m.									Past 24 Hours.				
	Bar. Ins.	Temp. °	Wind Direc^n	Wind Force	Weather.	Barometer. Ins.	Barometer. Change	Temperature Dry.	Temperature Wet.	Temperature Change	Wind Direc^n	Wind Force	Weather.	Sea.	Temperature Max.	Temperature Min.	Weather	Sunshine. Hrs.	Rainfall Ins.
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	*	*	bc	*	66	54	b, o	6.4	0.16
Bath	29.55	62	NE	2	r	29.71	+.01	58	55	0	W	3	bc	*	66	52	—	0.0	0.26

REPORTS FOR YESTERDAY.

STATIONS.	Temperature F. Max.	Temperature F. Min.	Weather.	Sunshine. Hrs.	Rainfall. Ins.
Southport, to 9 p.m.... ...	64°	56°	o, b, c	11.3	—
Rhyl, to 6 p.m....	*	*	*	10.0	*
Llandudno...	*	*	*	9.4	*
Aberystwyth, to 6 p.m. ...	63	59	bc	10.0	—
Plymouth, to 9 p.m.... ...	66	56	or, orw	0.7	0.66
Worthing	*	*	*	1.3	*
Brighton	63	*	*	0.0	*
Eastbourne, to 6 p.m. ...	62	*	*	1.2	*
Hastings	*	*	*	2.1	*

STATIONS.	Temperature F. Max.	Temperature F. Min.	Weather.	Sunshine. Hrs.	Rainfall. Ins.
Broadstairs...	*	*	*	2.9	*
Margate	64	56	r	3.0	0.35
Lowestoft, to 6 p.m. ...	68	56	or, c	5.5	?
Scarborough	67	*	*	2.9	*
Harrogate, to 6 p.m. ...	69	54	r, cv	7.3	0.31
Manchester, to 9 p.m. ...	68	54	or, bc	7.1	0.05
Darwen, to 9 p.m.	65	52	or, bc, bvw	8.0	0.04
Birmingham, to 9 p.m. ...	69	52	c	6.2	—

TEMPERATURE, WEATHER, and RAINFALL at additional FOREIGN STATIONS, mainly for the 24 hours ended at 8 a.m. yesterday.

STATIONS. 28th July 1903.	Temperature, F. Max.	Temperature, F. Min.	Weather.	Rain. Ins.
Marseilles	77	63	o, c	—
Utrecht...	72	59	o, o	0.24
Copenhagen	70	61	o, b	—
Prague	73	59	o, b	—
Vienna	72	63	o, o	—
Buda-Pesth	77	63	c, b	—
St. Petersburg	70	54	b, c	—
Rome	79	61	bc, b	—
Malta ... ... } Not rec^d				
Madeira (Funchal) }				

STATIONS. 27th July 1903	Temperature, F. Dry. 1 p.m.	Temperature, F. Wet.	Weather. 1 p.m.	Rain. Ins. Measured 7 a.m.
Geneva	68	*	b	0.28
Berne	66	*	c	0.59
Lucerne	64	*	c	0.16
Coire	64	*	bc	0.04
Castasegna	75	*	c	—
Lugano	79	*	b	—

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

TABLE SHOWING THE LOCAL STANDARD TIMES AND THE CORRESPONDING GREENWICH TIMES OF THE OBSERVATIONS RECORDED ON PAGE 1.

COUNTRIES, &c.	Hours of Morning Observations by Local Standard Time.	Corresponding Greenwich Times.	Hours of Evening Observations by Local Standard.	Corresponding Greenwich Times.
British Isles, Belgium† ...	8 a.m. (West European)	8 a.m.	6 p.m. (W.E.T.)	6 p.m.
Holland	8 a.m. (" ")	8 a.m.	7 p.m. (W.E.T.)	7 p.m.
Germany, Denmark, Norway, Sweden	8 a.m. (Mid-European)	7 a.m.	8 p.m. (M.E.T.)	7 p.m.
France	7 a.m. (Paris)	6.51 a.m.	6 p.m. (Paris)	5.51 p.m.
Spain	8 a.m. (West European)	8 a.m.	6 p.m. (W.E.T.)	6 p.m.
Portugal	8 a.m. (Lisbon)	8.36 a.m.	3.23 p.m. (Lisbon)	4 p.m.
Azores { Ponta Delgada	6 a.m. (Local)	7.43 a.m.	9 p.m. (Local)	10.43 p.m.
Azores { Horta	6 a.m. (Local)	7.55 a.m.	9 p.m. (Local)	10.55 p.m.

TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON, AND SUNSET, FOR STATIONS IN THE UNITED KINGDOM, TO-DAY.

29th July, 1903.	Sunrise G.M.T.	Noon G.M.T.	Sunset G.M.T.
Yarmouth	4.7	11.59	7.50
Greenwich	4.20	12.6	7.52
Wick	3.57	12.18	8.39
Valencia	4.58	12.47	8.37

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FORECASTS OF WEATHER for one day in advance are drawn up at the Meteorological Office at 11 a.m., and between 7 and 8 p.m. The latest forecast can be had by Reply Telegram, on paying at any Post Office in the United Kingdom **Sixpence in addition to the cost of the inquiry and reply Telegrams.** Information as to the Terms on which Forecasts can be sent daily, for a long or short period, may be obtained on application to the Meteorological Office, 63, Victoria Street, S.W., either personally or by post.

† The evening observations in Belgium are not given on page 1.

‡ At Oxford the observations are taken at 8 p.m.

DAILY WEATHER REPORT

for 8 a.m. on Friday, 31st JULY, 1903.

Issued by the METEOROLOGICAL OFFICE, 63, Victoria Street, London. W. N. SHAW, *Secretary.*

	STATIONS.	YESTERDAY EVENING. (See note on last page.) Barom. At 32° and M.S.L. Ins.	Temp. Dry Bulb. °	Wind. Direc.	Wind. Force (0 to 12.)	Weather	THIS MORNING. (See note on last page.) Barometer. At 32° At 32° Fahr. and M. S. L. Ins.	Change since Yesterday. Ins.	Temperature. Dry Bulb. °	Wet Bulb. °	Change since Yesterday. °	Wind. Direc.	Wind. Force (0 to 12.)	Weather.	Sea (0 to 9.)	PAST 24 HOURS. Temp. Max. °	Temp. Min. °	Weather	Sunshine. Hours.	Rainfall. Ins.
SCANDINAVIA.	Haparanda ...	29.69	63	NNE	2	c	29.52	-.32	56	53	-5	E	2	†	*	72	52	—	*	0.04
	Hernösand ...	29.58	59	Z	0	0	29.42	-.24	58	57	-4	S	2	0	*	63	57	—	*	0.43
	Stockholm ...	29.58	61	S	2	b	29.59	+.02	61	57	-4	SW	2	0	*	70	57	—	*	0.04
	Wisby	29.65	60	SSW	4	c	29.62	+.02	63	57	0	S	4	bc	*	68	59	—	*	0.12
	Karlstad	29.52	60	S	2	0	29.49	+.01	58	55	-3	S	4	0	*	*	*	—	*	0.12
	Færder (X'iania Fjord)	29.43	60	SSW	5	c	29.38	+.01	57	56	-4	SE	4	†	3	63	57	—	*	0.12
	Bodö	29.69	63	E	4	b	29.61	-.16	64	56	+2	E	2	b	1	70	59	—	*	—
	Christiansund ...	29.34	69	Z	0	bc	29.38	-.01	65	57	+2	SSE	1	b	1	72	61	—	*	—
	Skudesnaes ...	29.31	57	Z	0	0	29.36	+.12	59	57	+1	N	6	c	2	61	54	0	*	*
BRITISH ISLANDS.	Sumburgh Head	29.44	53	WNW	5	m	29.54	+.08	52	51	+2	NW	6	0	6	54	49	m	*	0.04
	Stornoway ...	29.77	53	NNW	6	od	29.85	+.13	52	51	0	NNW	3	0	4	54	48	o,od	?	0.02
	Malin Head ...	29.89	54	NW	6	omp	29.96	+.18	54	51	0	NW	5	og	4	55	51	omp	*	0.02
	Blacksod Pt. ...	30.06	58	NW	5	c	30.06	+.07	57	53	0	WNW	3	0	3	61	54	c	*	—
	Valencia	30.12	58	WNW	4	c	30.12	+.09	57	54	0	Z	0	0	2	62	55	cq,c	10.0	—
	Roche's Point ...	30.03	62	NNW	5	b	30.12	+.16	57	54	-1	WNW	2	0	1	63	53	bc,b	*	—
	Parsonstown ...	29.99	61	NW	5	bc	30.08	+.16	57	53	+2	W	2	bc	*	62	51	bcq	4.0	—
	Donaghadee ...	29.85	58	NNW	5	cq	29.95	+.19	55	54	-2	WNW	3	og	2	59	52	cq	*	—
	Liverpool Obsy.	29.82	55	WNW	6	0	29.91	+.21	54	53	-2	WNW	5	0	5	59	53	op	*	0.04
	Holyhead ...	29.86	57	NW	7	oqmu	29.96	+.21	55	53	-1	NW	5	omu	4	59	52	c,oqmu	*	—
	Pembroke (St. Ann's)	29.90	? 59	NNW	6	c	30.03	+.21	56	53	+1	NW	5	c	5	61	55	—	5.1	—
	Scilly (St. Mary's)...	30.01	60	NW	4	c	30.10	+.21	59	56	0	NW	4	c	3	63	56	c	11.7	—
	Jersey (St. Aubins)...	29.99	62	WNW	4	bc	30.07	+.29	59	52	+1	WNW	5	c	4	64	57	bc,og	9.0	—
	Portland Bill ...	29.89	59	WNW	6	c	29.98	+.23	57	54	0	NW	5	bc	4	61	55	c	*	—
	Dungeness ...	29.80	60	NNW	4	c	29.90	+.23	58	55	+1	WNW	4	0	2	67	56	cfp	3.7	0.05
	Wick	29.62	52	NNW	5	†	29.70	+.11	50	49	-1	N	6	0	4	54	49	—	*	0.08
	Nairn	29.69	56	NW	2	c	29.77	+.12	57	53	+2	W	2	bc	2	59	52	—	*	—
	Aberdeen ...	29.61	57	WNW	6	bcq	29.69	+.11	54	51	+1	WNW	6	og	3	59	52	oq,bcq	2.2	—
	Leith	29.68	63	W	3	c	29.77	+.14	62	57	+7	WSW	3	b	*	73	53	—	*	—
	North Shields ...	29.64	60	W	3	†	29.74	+.15	61	56	+9	WNW	3	bc	3	61	50	p,r	*	0.02
GERMANY, &c.	Spurn Head ...	29.71	56	WSW	3	c	29.78	+.20	58	56	+1	W	4	c	3	59	52	—	*	0.04
	Yarmouth ...	29.71	57	NW	4	c	29.78	+.19	58	55	+1	WNW	4	c	3	62	50	cp	*	0.04
	Nottingham ...	29.76	58	WNW	2	b	29.82	+.20	59	54	+1	WNW	2	0	*	61	52	—	0.9	0.01
	Oxford	29.86	55	W	2	bc	29.94	+.24	56	52	0	WNW	2	0	*	61	54	bc,o	*	—
	London (Brixton)...	29.80	58	WNW	2	0	29.92	+.25	58	53	+1	NW	3	c	*	67	54	bc,op	4.2	0.02
	The Scaw (Skagen)	29.49	59	SW	4	m	29.39	+.01	57	56	-2	SW	4	m	1	63	55	—	*	0.47
	Fanö	29.57	58	SW	4	0	29.50	.00	57	55	-1	WSW	7	0	*	64	55	—	*	0.16
	Cuxhaven ...	29.63	61	SW	3	c	29.65	+.05	57	55	+1	N	4	0	*	64	55	c,ffr	*	0.04
	The Helder ...	29.66	58	WNW	5	†	29.72	+.14	59	57	-2	W	4	0	3	64	57	—	*	0.20
	Brussels	*	*	*	*	*	29.91	+.21	56	54	0	SW	3	0	*	63	51	—	*	0.43
	Berlin	29.75	63	SSW	2	bc	29.80	+.05	59	57	-2	SW	3	b	*	72	50	—	*	0.08
	Frankfürt ...	29.81	56	S	3	b	29.88	+.11	56	54	-1	S	3	†	*	68	52	—	*	0.12
	Munich	29.96	54	SW	5	0	30.04	+.11	53	51	-3	SW	6	†	*	63	52	—	*	0.04
FRANCE.	C. Gris Nez ...	29.80	59	N	2	0	29.87	+.24	57	54	+1	W	5	0	5	64	55	—	*	0.32
	Brest	30.10	62	NNW	3	b	30.14	+.24	58	55	0	NW	2	c	2	63	57	—	*	—
	Lorient	30.04	63	NNW	4	bc	30.15	+.29	58	56	-1	NW	4	b	4	66	55	—	*	—
	Rochefort ...	30.04	65	WNW	5	c	30.16	+.21	62	59	-2	NW	4	bc	*	68	57	c	*	—
	Biarritz	30.16	67	WNW	4	bc	30.23	+.13	65	59	+2	NW	2	b	3	68	61	—	*	—
	Paris	29.88	63	NW	4	bc	30.01	+.21	57	55	-1	WSW	2	0	*	65	55	—	*	0.04
	Belfort	29.93	52	WSW	2	†	30.02	+.16	52	51	-4	WSW	4	0	*	65	50	—	*	0.16
	Lyons	29.97	59	WNW	3	c	30.13	+.18	56	51	-6	NNW	1	0	*	74	55	—	*	0.04
	Nice	29.81	72	WSW	3	b	29.84	-.03	69	55	+2	ENE	2	b	0	81	61	—	*	—
	Perpignan ...	30.05	62	SW	2	0	30.15	+.16	64	56	-4	NW	2	b	*	69	59	—	*	0.04
SPAN. PEN.	Corunna																		*	
	Lisbon	30.02	65	NNW	6	b	29.97	-.05	72	68	+6	NNE	5	b	*	73	63	—	*	—
	Azores (P. Delgada)	30.37	70	NE	3	0	30.33	-.03	69	65	-1	Z	0	0	2	77	66	—	*	—
	" (Horta) ...	30.39	70	NW	2	0	30.36	-.05	69	67	-3	SW	1	0	2	77	68	—	*	—

NOTE: *The Sunshine for London given in this Table is recorded on the Tower of the Wesleyan Training College, Westminster: the Sunshine entered to Dungeness is recorded at Littlestone-on-Sea.*

* *Observations for this column not generally received.*

† *Observations received too late for insertion in Charts on next page.*

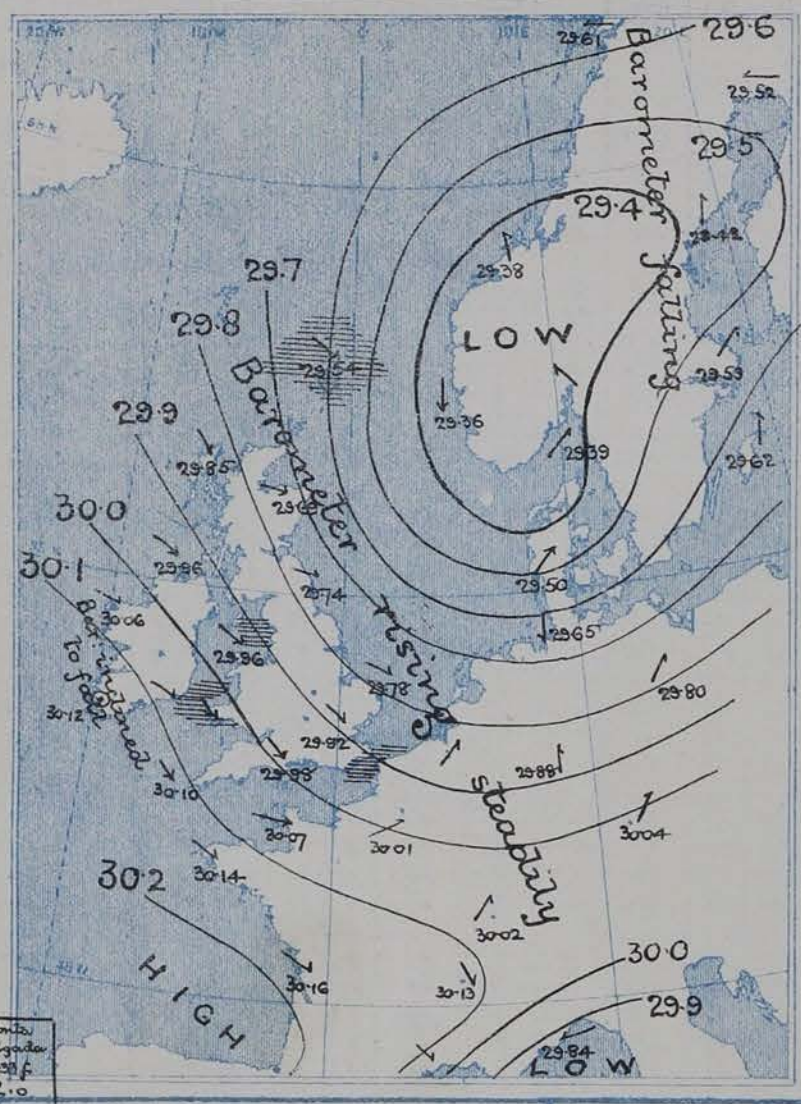
WEATHER CHARTS

FOR FRIDAY, 31st JULY, 1903.

I. BAROMETER, WIND AND SEA. *This Morning.*

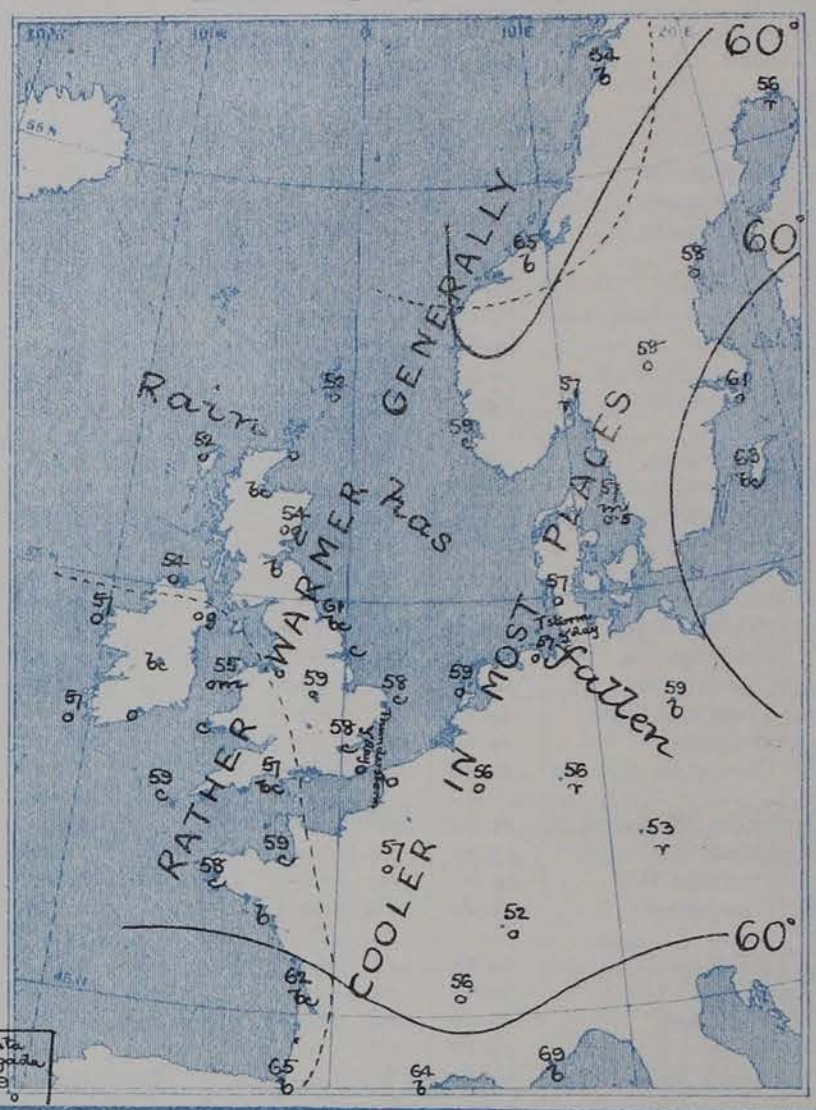
BAROMETER.—Isobars are drawn for each tenth of an inch.
WIND.—Arrows show Directions and Force, flying with the wind.

Force above 10 — *Force 5 to 7* — Calm ⊙
Force 8 to 10 — *Force 1 to 4*
SEA.—Rough — *High*



II. TEMPERATURE AND WEATHER. *This Morning.*

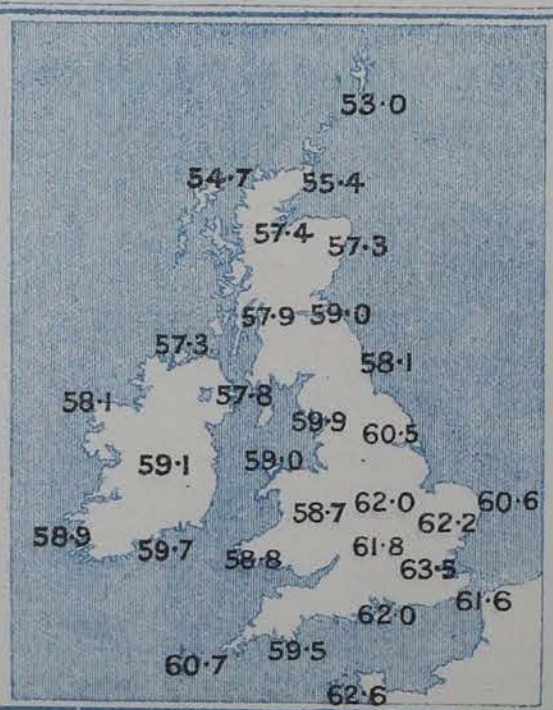
TEMPERATURE.—Isotherms are drawn for each 10°.
WEATHER.—Shown by Letters of the Beaufort Scale. *(See P. 4.)*
RAINFALL.—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0·6



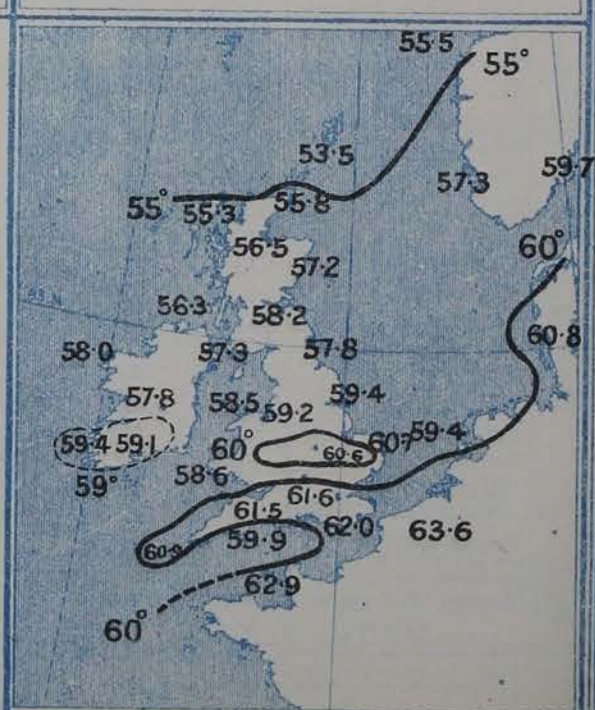
III BAROMETER AND WIND

Yesterday morning.

IV. *Averages of* DAILY MAXIMUM *and* MINIMUM TEMERATURES *Combined for the month of* JULY. *(1871-1900)*



V. *Means of* DAILY TEMPERATURE *at 8 A.M for the Two monthly period* JULY - AUGUST *(1871-1900)*



GENERAL SITUATION AT 8 A.M.

PRESSURE

The disturbance which yesterday occupied the North Sea has moved slowly northward and become deeper, its centre this morning lying over the southern extremity of Norway, where the barometer has fallen below 29·3 ins. A small shallow disturbance has formed over the south-east of France. Over the United Kingdom the barometer is rising more or less steadily, briskly in Ireland, an anticyclone apparently advancing toward us from off the Atlantic. On the Kerry coast the mercury has now passed above 30·0 ins.

WIND

TEMPERATURE

WEATHER

AND

SEA

Winds from between North-North-West and West-North-West are reported all round our coasts, light in force at some eastern stations, but generally they are fresh or strong, and in the north of Ireland a steady moderate gale is blowing. A fresh or strong North Westerly breeze is also felt down the Bay of Biscay, the same strength from the South-Westward being felt in the Vosges and in Bavaria. In Norway there is a fresh or strong wind from between South and East. Other continental districts have much lighter breezes. Weather of a dull, overcast character still prevails over the British Isles and showers are falling in scattered localities, similar conditions existing on the Continent. Temperature has changed irregularly at the home stations, the present readings ranging from 50° at Sumburgh Head and 51° at Wick to 59° at Scilly. A slight rise has taken place over northern Scandinavia, a decline in nearly all other parts of the continent, the lowest values, about 56°, being at some of the French and German stations, ranging up to 65° at Stockholm, 67° at Nice, and 68° at Perpignan. The sea is rather rough at Valencia and in St. George's Channel, and near Calais.

Temperature rose to 67° in London yesterday, and only to 55° at Wick. Thunderstorms occurred at many Southern stations, the rainfall at Dungeness amounting to 0·8 in. Bright sunshine ranged from 0·9 hr. at Scarborough to 9·8 hours at Llandudno.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The Norwegian disturbance is likely to pass away northward and the Atlantic anticyclone to gradually spread over the whole of our islands, bringing with it greatly improved weather. The barometric rise in the west is, however, rather rapid, so that the duration of the better conditions is at present doubtful.

FORECASTS*

For the 24 hours ending at NOON on 31st July, 1903

DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	NWly to Nly breezes, strong or fresh and decreasing in force; cool; weather dull and showery at first, improving steadily later.
1 SCOTLAND EAST	
2 ENGLAND N.E.	
3 ENGLAND EAST	
4 MIDLAND COUNTIES	
5 ENGLAND SOUTH	
6 SCOTLAND WEST	NWly to Nly breezes, strong or fresh and decreasing in force; cool; weather dull and showery at first, improving steadily later
⚠ 7 ENGLAND N.W.	
⚠ 8 ENGLAND S.W.	
⚠ 9 IRELAND NORTH	
⚠ 10 IRELAND SOUTH	
WARNINGS	At 7·30 p.m. yesterday, to Districts 7 to 10. "HOIST NORTH CONE"

Note.—The **South Cone**, *point downwards* (⚠), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the *North* Cone is hoisted in preference to the *South* Cone.

The **North Cone**, *point upwards* (⚠), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the *South* Cone is hoisted in preference to the *North* Cone.

* *For terms for transmission of Forecasts by Telegraph, see next page*

ADDITIONAL OBSERVATIONS made at Stations in the UNITED KINGDOM.

TELEGRAPHIC REPORTS TO-DAY.	Yesterday 6 p.m.					This Morning 8 a.m.									Past 24 Hours.				
	Bar. Ins.	Temp. °	Wind Direc^n	Wind Force	Weather.	Barometer. Ins.	Barometer. Change	Temperature Dry.	Temperature Wet.	Temperature Change	Wind Direc^n	Wind Force	Weather.	Sea.	Temperature Max.	Temperature Min.	Weather	Sunshine. Hrs.	Rainfall Ins.
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	*	*	b	*	64	52	cp, tl	5.5	0.27
Bath	29.65	60	W	5	r	29.76	+.05	58	54	0	W	1	b	*	65	49	—	8.5	0.50

REPORTS FOR YESTERDAY.

STATIONS.	Temperture F. Max.	Temperture F. Min.	Weather.	Sunshine. Hrs.	Rainfall. Ins.	STATIONS.	Temperature F. Max.	Temperature F. Min.	Weather.	Sunshine. Hrs.	Rainfall. Ins.
Southport, to 9 p.m.... ...	62	55	b, bc	9.5	—	Broadstairs...	*	*	*	2.9	*
Rhyl, to 6 p.m....	*	*	*	7.8	*	Margate	65	54	tlrh, m	3.5	0.69
Llandudno...	*	*	*	9.8	*	Lowestoft, to 6 p.m. ...	65	54	tlr, c	3.7	0.11
Aberystwyth, to 6 p.m. ...						Scarborough	63	*	*	0.9	*
Plymouth, to 9 p.m.... ...	65	55	bcp	8.5	0.15	Harrogate, to 6 p.m. ...	64	51	c, r, cv	2.4	0.05
Worthing	*	*	*	6.8	*	Manchester, to 9 p.m. ...	64	52	p, bc	5.5	0.02
Brighton	65	*	*	8.6	*	Darwen, to 9 p.m.	61	49	or, bmw	5.5	0.10
Eastbourne, to 6 p.m. ...	64	*	*	7.7	*	Birmingham, to 9 p.m. ...	63	53	o, tp, c	4.2	0.05
Hastings	*	*	*	7.3	*						

TEMPERATURE, WEATHER, and RAINFALL at additional FOREIGN STATIONS, mainly for the 24 hours ended at 8 a.m. yesterday.

STATIONS. 29th July, 1903.	Temperature, F. Max.	Temperature, F. Min.	Weather.	Rain. Ins.	STATIONS. 28th July, 1903	Temperature, F. Dry. 1 p.m.	Temperature, F. Wet.	Weather. 1 p.m.	Rain. Ins. Measured 7 a.m.
Marseilles	84	59	c, c	—	Geneva	72	*	0	—
Utrecht...	68	59	r, m	0.51	Berne	66	*	0	0.04
Copenhagen	70	61	c, r	0.35	Lucerne	66	*	0	—
Prague	77	61	o, o	0.04	Coire	66	*	0	—
Vienna	77	61	b, o	—	Castasegna ... Not rec^d		*		
Buda-Pesth	82	63	b, o	—	Lugano	77	*	c	—
St. Petersburg	73	54	c, c	—					
Rome	73	64	c, b	—					
Malta	79	70	?, bc	—					
Madeira (Funchal) Not recd.									

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

TABLE SHOWING THE LOCAL STANDARD TIMES AND THE CORRESPONDING GREENWICH TIMES OF THE OBSERVATIONS RECORDED ON PAGE 1.

COUNTRIES, &c.	Hours of Morning Observations by Local Standard Times.	Corresponding Greenwich Times.	Hours of Evening Observations by Local Standard.	Corresponding Greenwich Times.
British Isles, Belgium† ...	8 a.m. (West European)	8 a.m.	6 p.m. (W.E.T.)	6 p.m.
Holland	8 a.m. („ „)	8 a.m.	7 p.m. (W.E.T.)	7 p.m.
Germany, Denmark, Norway, Sweden	8 a.m. (Mid-European)	7 a.m.	8 p.m. (M.E.T.)	7 p.m.
France	7 a.m. (Paris)	6.51 a.m.	6 p.m. (Paris)	5.51 p.m.
Spain	8 a.m. (West European)	8 a.m.	6 p.m. (W.E.T.)	6 p.m.
Portugal	8 a.m. (Lisbon)	8.36 a.m.	3.23 p.m. (Lisbon)	4 p.m.
Azores: Ponta Delgada	6 a.m. (Local)	7.43 a.m.	9 p.m. (Local)	10.43 p.m.
Azores: Horta	6 a.m. (Local)	7.55 a.m.	9 p.m. (Local)	10.55 p.m.

TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON, AND SUNSET, FOR STATIONS IN THE UNITED KINGDOM, TO-DAY.

30th July, 1903.	Sunrise G.M.T.	Noon G.M.T.	Sunset G.M.T.
Yarmouth	4.8	11.59	7.49
Greenwich	4.21	12.6	7.51
Wick	3.59	12.18	8.37
Valencia	4.59	12.47	8.36

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FORECASTS OF WEATHER for one day in advance are drawn up at the Meteorological Office at 11 a.m., and between 7 and 8 p.m. The latest forecast can be had by Reply Telegram, on paying at any Post Office in the United Kingdom **Sixpence in addition to the cost of the inquiry and reply Telegrams.** Information as to the Terms on which Forecasts can be sent daily, for a long or short period, may be obtained on application to the Meteorological Office, 63, Victoria Street, S.W., either personally or by post.

† The evening observations in Belgium are not given on page 1.

‡ At Oxford the observations are taken at 8 p.m.

ADDITIONS AND CORRECTIONS TO THE

1. REPORTS RECEIVED TOO LATE FOR INSERTION DAILY.

DATE.	STATIONS.	YESTERDAY EVENING. Barom. At 32° and M.S.L.	Temp. Dry Bulb.	Wind. Direc.	Wind. Force (0 to 12).	Weather.	THIS MORNING. Barometer. At 32° Fahr. and M.S.L.	Barometer. Change since Yesterday.	Temperature. Dry Bulb.	Temperature. Wet Bulb.	Temperature. Change since Yesterday.	Wind. Direc.	Wind. Force (0 to 12).	Weather.	Sea (0 to 9).	PAST 24 HOURS. Weather.	Temp. Max.	Temp. Min.	Sunshine.	Rainfall.
		Ins.	°				Ins.	Ins.	°	°	°								Hours.	Ins.
1st	Corunna.	30.20	75	NE	4	b	30.05	–	68	63	–	ENE	1	b	3	–	75	61	–	–
"	P. Delgada.	30.23	64	WNW	1	b	30.19	–	66	61	–	WSW	3	b	3	–	73	59	–	–
2nd	P. Delgada.	30.24	65	Z	0	m	30.25	+.06	66	65	0	Z	0	0	–	–	72	64	–	0.24
3rd	Nairn.	29.79	66	SE	2	c	29.48	–.54	59	53	0	WSW	5	c	3	c, b	68	52	–	0.06
"	Corunna.	30.21	64	W	3	0	30.28	?	63	59	?	W	1	0	–	–	66	55	–	–
4th	Corunna.	30.31	63	NNW	5	bc	30.29	+.01	63	60	0	N	1	f	0	–	64	57	–	–
6th	Corunna.	30.21	67	W	1	f	30.25	+.08	61	59	–.10	W	1	bc	2	–	72	57	–	–
"	P. Delgada.	30.35	67	NE	4	0	30.34	+.05	68	66	–.2	ENE	4	c	3	–	73	66	–	–
7th	Haparanda.	29.85	50	W	2	0	29.96	+.21	54	48	+.4	E	2	b	–	–	61	45	–	–
"	Hernösand.	29.87	51	Z	0	0	29.92	+.04	55	50	+.7	E	2	b	–	–	59	46	–	–
"	Stockholm.	29.80	57	NW	2	c	29.73	–.10	59	56	–.1	ENE	6	0	–	–	66	54	–	0.16
"	Wisby.	29.73	57	ESE	2	0	29.62	–.18	61	57	+.1	E	2	0	–	–	64	54	–	–
"	Karlstad.	29.74	58	ESE	6	0	29.76	–.05	55	53	–.2	ENE	6	0	–	–	–	–	–	0.08
"	Perpignan.	30.04	72	NW	4	0	30.10	+.05	66	58	+.3	NW	4	b	–	–	78	63	–	–
"	Corunna	?30.02	64	WNW	1	c	30.36	+.11	63	59	+.2	NNW	3	b	2	–	66	57	–	–
"	Lisbon.	30.07	67	NNW	5	b	30.04	–.08	74	67	+.9	NE	1	b	–	–	75	65	–	–
"	P. Delgada.	30.35	68	NE	4	r	30.29	–.05	67	66	–.1	ESE	4	0	3	–	73	63	–	0.04
8th	P. Delgada.	30.27	68	ESE	4	0	30.23	–.06	69	65	+.2	Z	0	0	2	–	73	66	–	–
9th	Corunna.	30.24	63	NE	4	b	30.17	?	67	59	?	?2	?0	b	1	–	72	57	–	–
10th	Corunna.	30.12	77	NE	3	b	30.27	+.10	79	66	+.12	NE	1	b	2	–	79	59	–	?
"	P. Delgada.	30.16	66	NNE	4	0	30.13	–.03	66	64	0	NNE	4	c	2	–	73	64	–	–
11th	Corunna.	30.04	80	NE	1	b	29.99	–.28	70	64	–.9	ENE	1	b	–	–	70	61	–	–
"	Lisbon.	29.95	77	NW	4	b	29.96	–.05	75	64	+.2	SSE	1	b	–	–	88	70	–	–
"	P. Delgada.	30.14	67	NNE	3	0	30.13	.00	66	61	0	NE	4	0	–	–	72	64	–	–
13th	Corunna.	29.93	64	WNW	3	0	?	?	74	61	+.5	WNW	1	c	4	–	66	57	–	–
"	P. Delgada.	30.31	67	NNE	4	0	30.30	+.05	67	62	0	Z	0	0	1	–	70	64	–	–
14th	Lyons.	29.87	69	NW	1	0	30.00	+.17	59	52	–.12	WSW	1	b	–	r2r	85	58	–	0.04
"	Corunna.	30.07	69	NNE	4	f	30.02	?	66	61	–.8	NNE	1	b	2	–	?74	57	–	–
"	P. Delgada.	30.24	68	Z	0	b	30.11	–.19	69	66	+.2	SW	5	c	4	–	75	64	–	–
15th	Corunna.	30.06	63	NNW	4	b	29.98	–.04	66	61	0	NW	1	0	2	–	68	54	–	–
"	P. Delgada.	30.00	70	SW	4	c	29.91	–.20	70	69	+.1	WSW	4	0	4	–	73	68	–	–
16th	Nice.	30.03	71	ESE	1	b	30.02	–.03	70	–	+.2	E	1	0	0	–	79	63	–	–
"	Corunna.	29.98	73	SW	3	c	29.88	–.10	66	64	0	SSW	1	c	2	–	73	59	–	–
"	Lisbon.	29.99	67	WNW	3	0	30.00	+.05	68	63	–.5	SW	4	0	–	–	82	64	–	–
"	P. Delgada.	30.00	69	WNW	4	m	30.01	+.10	69	64	–.1	WNW	5	b	3	–	75	66	–	–
17th	Nice	29.95	71	SW	2	c	29.88	–.14	72	65	+.2	Z	0	b	0	–	81	64	–	–
"	Corunna.	29.87	63	SW	1	c	29.84	–.04	66	62	0	SW	1	0	2	–	66	57	–	0.63
"	P. Delgada.	30.07	68	ESE	1	c	30.15	+.14	66	62	–.3	NNW	4	0	3	–	73	64	–	–
18th	Corunna.	29.78	62	ENE	1	r	29.88	+.04	67	63	+.1	SW	1	c	2	–	67	54	–	3.62
20th	Corunna.	30.29	56	WNW	1	c	30.44	+.31	65	62	0	WNW	1	c	4	–	66	56	–	–
21st	Corunna.	30.43	66	WNW	1	b	30.39	–.05	66	62	+.1	WNW	1	b	2	–	68	54	–	–
"	Lisbon.	30.24	66	N	5	b	30.18	–.10	75	64	+.8	NE	4	b	–	–	79	64	–	–
"	P. Delgada.	30.44	67	Z	0	0	30.39	–.04	68	63	+.1	NNE	4	0	2	–	75	64	–	–
22nd	Corunna.	30.33	68	NW	3	b	30.18	–.21	67	64	+.1	NW	1	c	2	–	68	?	–	–
23rd	Corunna.	30.13	55	NW	1	bc	30.07	–.11	64	60	–.3	WNW	1	bc	3	–	66	55	–	–
"	Lisbon.	30.06	64	WNW	2	b	30.06	–.01	67	64	–.1	W	3	0	–	–	75	63	–	–
24th	Corunna.	30.16	60	WNW	4	bc	30.25	+.18	67	60	+.3	WSW	1	c	3	–	67	52	–	–
25th	Perpignan.	30.06	75	NW	3	bc	30.09	–.08	68	63	+.2	W	1	b	–	–	80	57	–	–
"	Corunna.	30.17	66	WSW	2	b	30.10	–.15	70	?	+.3	WSW	5	c	4	–	70	59	–	–
27th	Corunna.	?30.25	67	WNW	1	b	30.30	+.07	70	66	+.3	WSW	1	0	2	–	70	59	–	–
28th	Corunna.	30.31	69	WNW	6	bc	30.27	–.03	70	65	0	WSW	1	c	2	–	70	?	–	–
"	P. Delgada.	30.18	67	NNW	5	b	30.17	–.17	?68	64	–.4	NNW	5	bc	5	–	81	64	–	–
29th	Corunna.	30.23	71	WSW	1	m	30.21	–.06	71	66	+.1	W	1	bc	4	–	75	57	–	0.04
30th	Corunna.	30.30	64	WNW	1	c	30.27	+.06	64	57	–.7	NNW	6	b	3	–	71	55	–	–
"	P. Delgada.	30.41	71	NE	3	m	30.36	–.05	70	67	–.3	NE	4	bc	2	–	77	66	–	0.04
31st	Corunna.	30.29	65	NNW	6	b	30.30	+.03	66	60	+.2	NNE	4	b	3	–	64	52	–	–

REPORTS FOR JULY, 1903.

2. CORRECTIONS.

DATE.	STATIONS.	YESTERDAY EVENING					THIS MORNING.									PAST 24 HOURS.				
		BAROM.	TEMP.	WIND.			BAROMETER.		TEMPERATURE.			WIND.					TEMP.			
		At 32° and M.S.L.	Dry Bulb.	Direc.	Force (0 to 12).	Weather.	At 32° Fahr. and M.S.L.	Change since Yesterday.	Dry Bulb.	Wet Bulb.	Change since Yesterday.	Direc.	Force (0 to 12).	Weather.	Sea (0 to 9).	Weather.	Max.	Min.	Sunshine.	Rainfall.
		Ins.	°				Ins.	Ins.	°	°	°								Hours.	Ins.
1st	Dungeness.	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	68	–	–	–
4th	Pembroke.	–	–	WSW	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
5th	Parsonstown.	29.98	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
6th	Malin Head.	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	50	–	–
"	Aberdeen.	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	54	–	–	–
8th	Dungeness.	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	43	–	–
9th	Dungeness.	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	67	–	–	–
10th	Pembroke.	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	9.7	–
"	Spurn Head.	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	59	–	–
11th	Blacksod Pt.	–	–	NNW	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
16th	Parsonstown.	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	0.62
"	Portland Bill	–	–	–	–	–	29.72	–	–	–	–	–	–	–	–	–	–	–	–	–
17th	Valencia	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	6.5	–
"	Spurn Head.	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	0.05
18th	Liverpool Obsy.	–	–	–	–	–	–	–	–	–	–	–	–	–	–	0, 7, 70	–	–	–	–
19th	Jersey.	–	–	–	–	–	–	–	61	60	0	–	–	–	–	–	–	–	–	–
20th	Sumburgh Hd.	–	–	–	–	–	29.99	+.08	–	–	–	–	–	–	–	–	–	–	–	–
21st	Malin Head.	–	–	–	–	–	–	–	–	56	–	–	–	–	–	–	–	–	–	–
"	Scilly.	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	66	–	–	–
22nd	Portland Bill.	–	–	–	–	–	–	–	–	59	–	–	–	–	–	–	–	–	–	–
"	Dungeness.	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	67	–	–	–
23rd	London.	–	–	–	–	–	–	–	–	60	–	–	–	–	–	–	–	–	–	–
24th	Liverpool Obsy.	–	–	–	–	–	–	–	–	–	–	–	–	–	–	op, 7	–	–	–	–
25th	Oxford.	–	–	–	–	–	30.02	–	–	–	–	–	–	–	–	–	–	–	–	–
29th	Wick.	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	67	–	–	–
"	Spurn Head.	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	67	–	–	–
30th	Pembroke.	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	7.4	–
31st	Stornoway.	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	0.1	–
"	Pembroke.	–	59	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
"	Jersey.	–	–	–	–	–	–	–	–	56	–	–	–	–	–	–	–	–	–	–